

SERVICE MANUAL

19" LCD Monitor

LM928



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REVISION LIST

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1. MONITOR SPECIFICATIONS

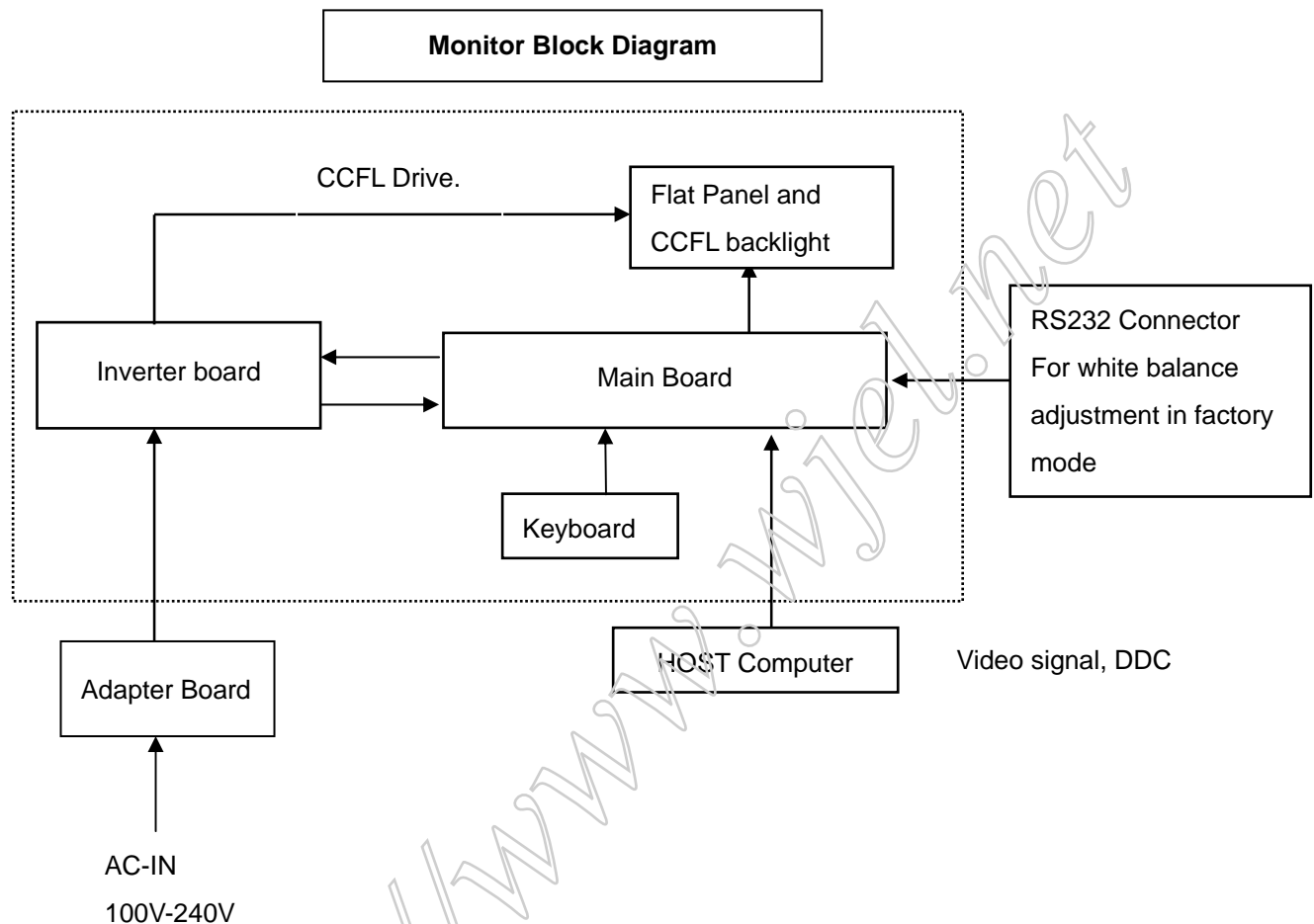
LCD Panel	Driving system	TFT Color LCD
	Size	48.0cm(19.0")
	Pixel pitch	0.294mm(H)x 0.294mm(V)
	Viewable angle	140° (H) 135° (V)
	Response time (type)	8ms for AU panel
Input	Sync. Type	H/V TTL
	H-Frequency	30kHz – 83kHz
	V-Frequency	55-75Hz
Power Consumption	ON Mode	≤50W
	OFF Mode	≤3W
Display Color	16.2M colors (RGB 6-bit data+ FRC data)	
Dot Clock	135MHz	
Contrast Ratio	550:1	
White Luminance	270cd/m ²	
Max. Resolution	1280 x 1024	
Plug & Play	VESA DDC2B™	
Power Source	100~240VAC, 47~63Hz	
Maximum Screen Size	Horizontal : 376.32mm Vertical: 301.06mm	
Environmental Considerations	Operating Temp: 0°C to 40°C Storage Temp: -20°C to 60°C Operating Humidity: 15% to 90%	

2. LCD MONITOR DESCRIPTION

The LCD MONITOR will contain a main board, an inverter board, a keypad board and an adapter board which house the flat panel control logic, brightness control logic and DDC.

The Inverter board will drive the backlight of panel and DC-DC conversion.

The Adaptor will provide 12V DC-power to Inverter/Power board.



3. OPERATING INSTRUCTIONS

3.1 GENERAL INSTRUCTIONS

Press the power button to turn the monitor on or off. The other control buttons are located at front panel of the monitor.

By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor, the power indicator will light up.

3.2 CONTROL BUTTONS

- Power Button:

When pressed, the monitor enters the off mode, and the LED turns blank. Press again to restore normal status.

- Left / Right Button:

The Left/Right Button is used to control the monitor functions. Press to switch functions or adjust settings.

- Auto Adjust Key:

The Auto Adjust Key is used to automatically set the H Position, V Position, Clock and Phase.

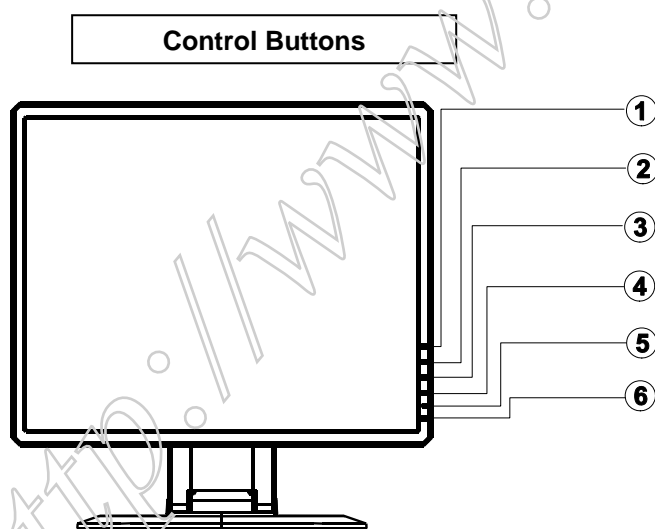
- Power Indicator:

Green — Power On mode.

Red — Power Saving mode.

Blank —Power Off Mode.

LED = GREEN, BLINKING (0.5s period) —Out of Range

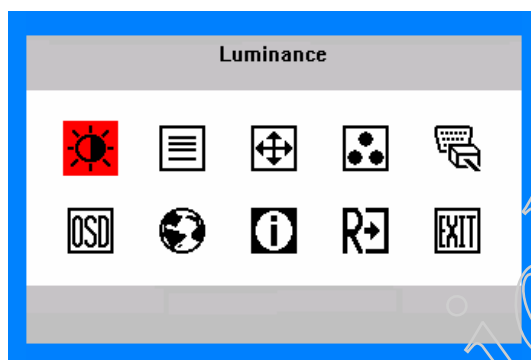


NO.	Name	Within OSD	Without OSD
1	Auto/Exit	Exit OSD or back to previous menu	Auto configuration
2	☀ /	1.Move the cursor to up 2.Increase the value of the selected item	Activate the brightness menu
3	● /	1.Move the cursor to down 2.Decrease the value of the selected item	Activate the contrast menu
4	MENU	Select Function or select Sub menu	Activate OSD main menu
5	Indicator Light	Green—On Red—Save	Green—On Red—Save
6	POWER	Power On / Off	Power On / Off

3.3 ADJUSTING THE PICTURE










Adjustment steps:

1. Press the MENU-button to activate the OSD window.
2. Press < or > to select the desired function.
3. Press the MENU-button to select the function that you want to adjust.
4. Press < or > to change the settings of the current function.
5. To exit and save, select the exit function, or leave the monitor alone for 10 seconds. If you want to adjust any other function, repeat steps 2-4.



OSD TABLE:

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description	Reset Value
Luminance		Contrast		Contrast from Digital-register.	Recall Cool Contrast Value
		Brightness		Backlight Adjustment	Recall Cool Brightness Value
Image Setup		Focus		Adjust Picture Phase to reduce Horizontal-Line noise	Do Auto Config
		Clock		Adjust picture Clock to reduce Vertical-Line noise.	Do Auto Config
Image Position		H. Position		Adjust the horizontal position of the picture.	Do Auto Config
		V. Position		Adjust the vertical position of the picture.	Do Auto Config
Color Temp.		C1	N/A	Recall warm Color Temperature from EEPROM.	The Color Temperature will be set to Cool.
		C2	N/A	Recall cool Color Temperature from EEPROM.	
		User / Red		Red Gain from Digital-register.	

		User / Green	G	Green Gain Digital-register.	
		User / Blue	B	Blue Gain from Digital-register.	
Input Select		Analog	N/A	Select input signal from analog source (D-Sub)	N/A
		Digital	N/A	Select input signal from digital source (DVI)	N/A
OSD Setup		H. Position		Adjust the horizontal position of the OSD.	50
		V. Position		Adjust the vertical position of the OSD.	50
		OSD Timeout		Adjust the OSD timeout.	10
Language		English	N/A	Set OSD display language to English.	The Language will be set to English.
		Deutsch	N/A	Set OSD display language to German.	
		Français	N/A	Set OSD display language to French.	
		Español	N/A	Set OSD display language to Spain.	
		Italiano	N/A	Set OSD display language to Italian.	
		简体中文	N/A	Set OSD display language to Simplified Chinese.	
Information		Information	N/A	Show the resolution, H/V frequency and input port of current input timing.	N/A
Reset		Yes	N/A	Clear each old status of Auto-configuration and set the color temperature to Cool.	N/A
		No	N/A	Do not execute reset, return to main menu.	N/A
Exit		N/A	N/A	Exit OSD	N/A

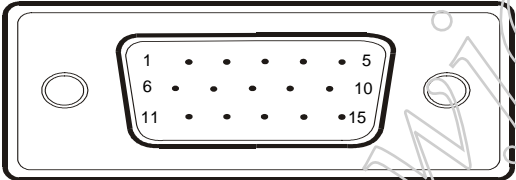
4. INPUT/OUTPUT SPECIFICATION

4.1 INPUT SIGNAL CONNECTOR

1. D-SUB connector

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	Red Video	9.	No Pin!
2.	Green Video	10.	Logic Ground
3.	Blue Video	11.	Monitor Ground
4.	Monitor Ground	12.	DDC-Serial Data
5.	DDC-Return	13.	H-Sync
6.	Red Ground	14.	V-Sync
7.	Green Ground	15.	DDC-Serial Clock
8.	Blue Ground		

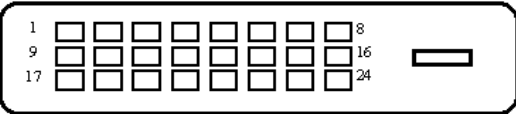
VGA connector layout



2. DVI-D connector

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	TMDS data 2 -	13.	TMDS data 3 + (NC)
2.	TMDS data 2 +	14.	+ 5V Power
3.	TMDS data 2/4 Shield	15.	GND (return for +5v,hsync, vsync)
4.	TMDS data 4 - (NC)	16.	Hot Plug Detect
5.	TMDS data 4 + (NC)	17.	TMDS data 0 -
6.	DDC Clock	18.	TMDS data 0 +
7.	DDC Data	19.	TMDS data 0/5 Shield
8.	Analog Vertical Sync	20.	TMDS data 5 - (NC)
9.	TMDS data 1 -	21.	TMDS data 5 + (NC)
10.	TMDS data 1 +	22.	TMDS Clock Shield
11.	TMDS data 1/3 Shield	23.	TMDS Clock +
12.	TMDS data 3 - (NC)	24.	TMDS Clock -

24 - Pin Color Display Signal Cable



4.2 FACTORY PRESET DISPLAY MODES :

VESA MODES							
			Horizontal		Vertical		
Mode	Resolution	Total	Nominal Frequency +/- 0.5kHz	Sync Polarity	Nominal Freq. +/- 1 Hz	Sync Polarity	Nominal Pixel Clock (MHz)
VGA	640x480@60Hz	800 x 525	31.469	N	59.940	N	25.175
	640x480@72Hz	832 x 520	37.861	N	72.809	N	31.500
	640x480@75Hz	840 x 500	37.500	N	75.00	N	31.500
SVGA	800x600@56Hz	1024 x 625	35.156	N/P	56.250	N/P	36.000
	800x600@60Hz	1056 x 628	37.879	P	60.317	P	40.000
	800x600@72Hz	1040 x 666	48.077	P	72.188	P	50.000
	800x600@75Hz	1056x625	46.875	P	75.000	P	49.500
XGA	1024x768@60Hz	1344x806	48.363	N	60.004	N	65.000
	1024x768@70Hz	1328x806	56.476	N	70.069	N	75.000
	1024x768@75Hz	1312x800	60.023	P	75.029	P	78.750
SXGA	1280x1024@60Hz	1688x1066	63.981	P	60.020	P	108.000
	1280x1024@75Hz	1688x1066	79.976	P	75.025	P	135.000
IBM MODES							
			Horizontal		Vertical		
DOS	720x400@70Hz	900 x 449	31.469	N	70.087	P	28.322
DOS	640x400@70Hz	800 x 449	31.469	N	70.087	P	25.175
XGA	1024x768@72Hz	1304 x 798	57.515	P	72.1	P	75.000
MAC MODES							
VGA	640x480@67Hz	864x525	35.000	N	66.667	N	30.240
SVGA	832x624@75Hz	1152x667	49.725	N	74.551	N	57.2832
XGA	1024x768@60Hz	1312x813	48.780	N	60.001	N	64.000
	1024x768@75Hz	1328x804	60.241	N	74.927	N	80.000

4.3 POWER SUPPLY REQUIREMENTS

A/C Line voltage range	100 V ~ 240 V
A/C Line frequency range	50 ± 3Hz, 60 ± 3Hz
Current	1.5A max at 100V ; 0.8A max at 240 V
Peak surge current	< 55A peak at 240 VAC and cold starting
Leakage current	< 3.5mA
Power line surge	No advance effects (no loss of information or defect) with a maximum of 1 half-wave missing per second
DC output Voltage	5VDC ± 5%; 12VDC± 5%
CURRENT	1.5Amp (5V) ; 2 Amp (12V)

4.4 PANEL SPECIFICATION

4.4.1 Display Characteristics

The following items are characteristics summary on the table under 25 condition:

ITEMS	Unit	SPECIFICATIONS
Screen Diagonal	[mm]	480 (19.0")
Active Area	[mm]	376.32 (H) x 301.06 (V)
Pixels H x V		1280(x3) x 1024
Pixel Pitch	[mm]	0.294 (per one triad) x 0.294
Pixel Arrangement		R.G.B. Vertical Stripe
Display Mode		Normally White
White Luminance (Center)	[cd/m ²]	270 (center, Typ) @ 7mA
Contrast Ratio		550 : 1 (Typ)
Optical Response Time	[msec]	8 ms(Typ, on/off)
Color Saturation		72% NTSC
Nominal Input Voltage VDD	[Volt]	+5.0 V
Power Consumption (VDD line + CCFL line)	[Watt]	28W(Typ) (w/o Inverter, All black pattern)
Weight	[Grams]	2700 (Max)
Physical Size	[mm]	396 (H) x 324 (V) x 18 (D) (Typ)
Electrical Interface		Dual channel LVDS
Support Color		16.2M colors (RGB 6-bit data+FRC data)
Temperature Range		
Operating	[°C]	0 to +50
Storage (Shipping)	[°C]	-20 to +60
TCO'03 compliance		TCO'03 compliance Note
Surface Treatment		Hard-coating (3H), Non-Glare treatment

4.4.2 Optical Characteristics

Item	Unit	Conditions	Min.	Typ.	Max.	Note
Viewing Angle	[degree]	Horizontal (Right)	65	70	-	
	[degree]	CR = 10 (Left)	65	70	-	
	[degree]	Vertical (Up)	70	75	-	
	[degree]	CR = 10 (Down)	55	60	-	
Contrast ratio		Normal Direction	350	550		
Response Time	[msec]	Raising Time	-	5.6	8.4	Note 1
	[msec]	Falling Time	-	2.4	3.6	Note 1
	[msec]	Rising + Falling	-	8	12	Note 1,2
Color / Chromaticity Coordinates (CIE)		Red x	0.604	0.634	0.664	
		Red y	0.324	0.354	0.384	
		Green x	0.257	0.287	0.317	
		Green y	0.591	0.621	0.651	
		Blue x	0.108	0.138	0.168	
		Blue y	0.047	0.077	0.107	
Color Coordinates (CIE) White		White x	0.283	0.313	0.343	
		White y	0.299	0.329	0.359	
White Luminance at CCFL 7.0mA (central point)	[cd/m ²]		215	270	-	
Luminance Uniformity	[%]		70	75	-	Note 3
Crosstalk (in75Hz)	[%]				1.5	Note 4
Flicker	DB				-20	Note 5

4.4.3 Parameter guide line for CCFL Inverter

1 TFT LCD Module

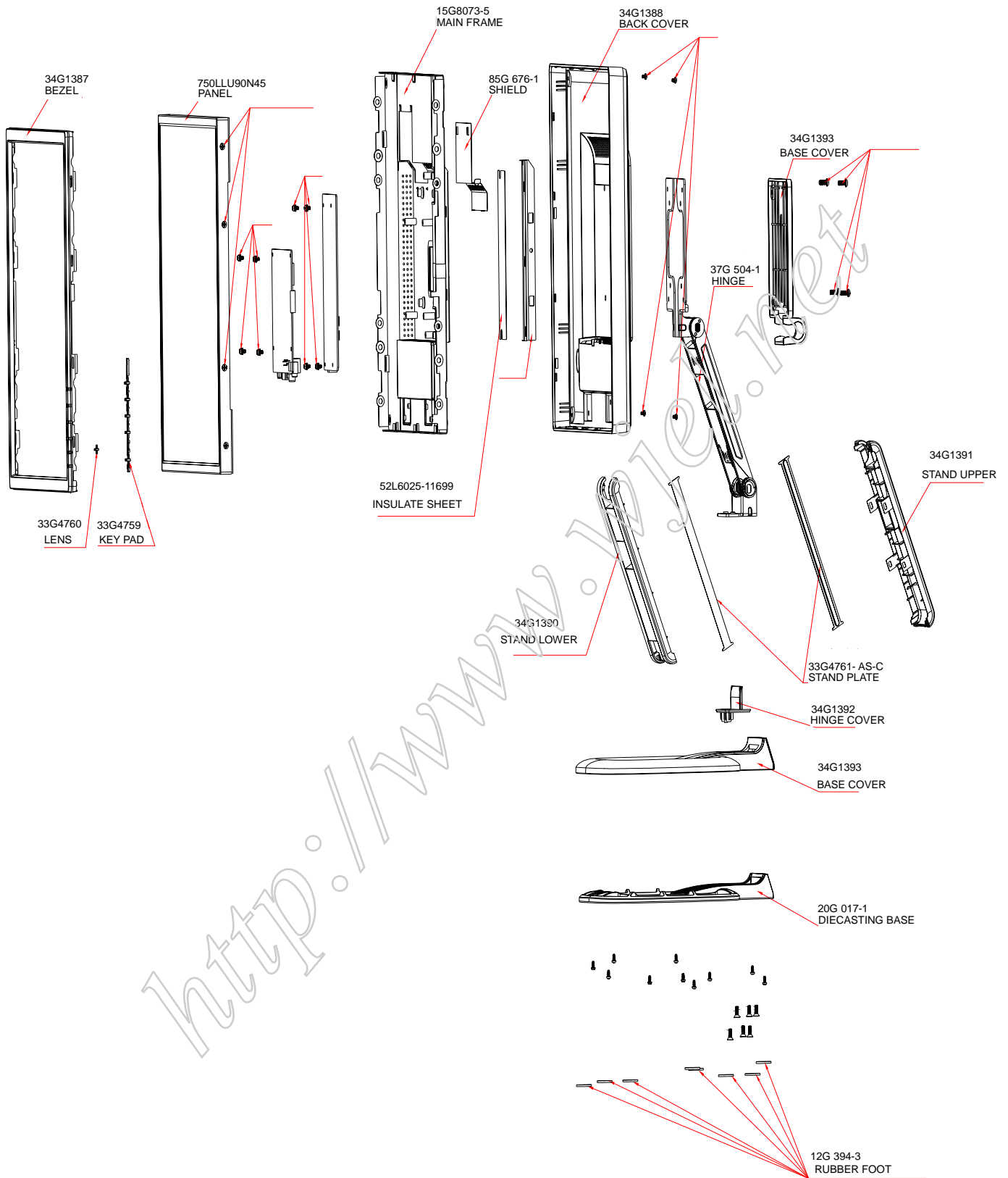
Symbol	Parameter	Min	Typ	Max	Units	Condition
VDD	Logic/LCD Drive Voltage	4.5	5	5.5	[Volt]	±10%
IDD	VDD current	-	1500	1900	[mA]	Vin=5V, All Black Pattern, +30%, at frame rate 75Hz
Irush	LCD Inrush Current	-	-	2.5	[A]	Note
PDD	VDD Power		7.5	9.75	[Watt]	Vin=5V, All Black Pattern +30%, at frame rate 75Hz
VDDrp	Allowable Logic/LCD Drive Ripple Voltage			100	[mV] p-p	
VDDns	Allowable Logic/LCD Drive Ripple Voltage			100	[mV] p-p	

2 Backlight Unit

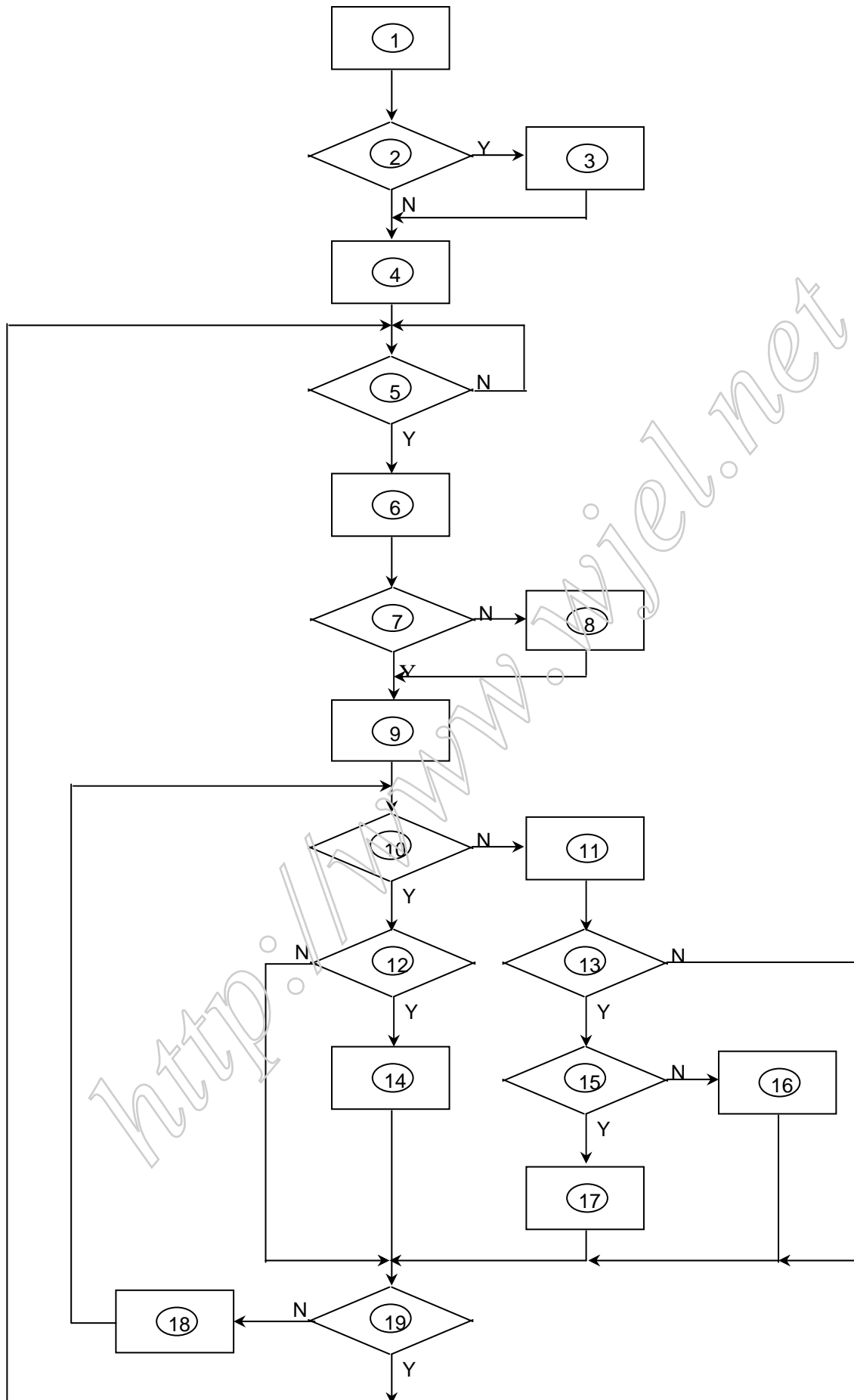
Symbol	Parameter	Min.	Typ.	Max.	Unit	Condition
ISCFL	CCFL standard current	6.5	7.0	7.5	[mA] rms	(Ta=25°C) Note 1
IRCFL	CCFL operation range	3.0	7.0	7.5	[mA] rms	(Ta=25°C)
FCFL	CCFL Frequency	40	50	60	[KHz]	(Ta=25°C) Note 2
ViCFL (0°C)	CCFL Ignition Voltage (End of the lamp wire connector)	1800	-		[Volt] rms	(Ta=0°C) Note 3
ViCF (25°C)	CCFL Ignition Voltage (End of the lamp wire connector)	1500	-		[Volt] rms	(Ta=25°C) Note 3
VCFL	CCFL Operation Voltage		700 @7mA	860 @6.5mA	[Volt] rms	(Ta=25°C) Note 4
PCFL	CCFL Power consumption (for reference)	-	19.6	22	[Watt]	(Ta=25°C) Note 5
LTCFL	CCFL life Time	40,000	50,000	-	[Hour]	(Ta=25°C) Note 6

5. BLOCK DIAGRAM

5.1 MONITOR EXPLODED VIEW



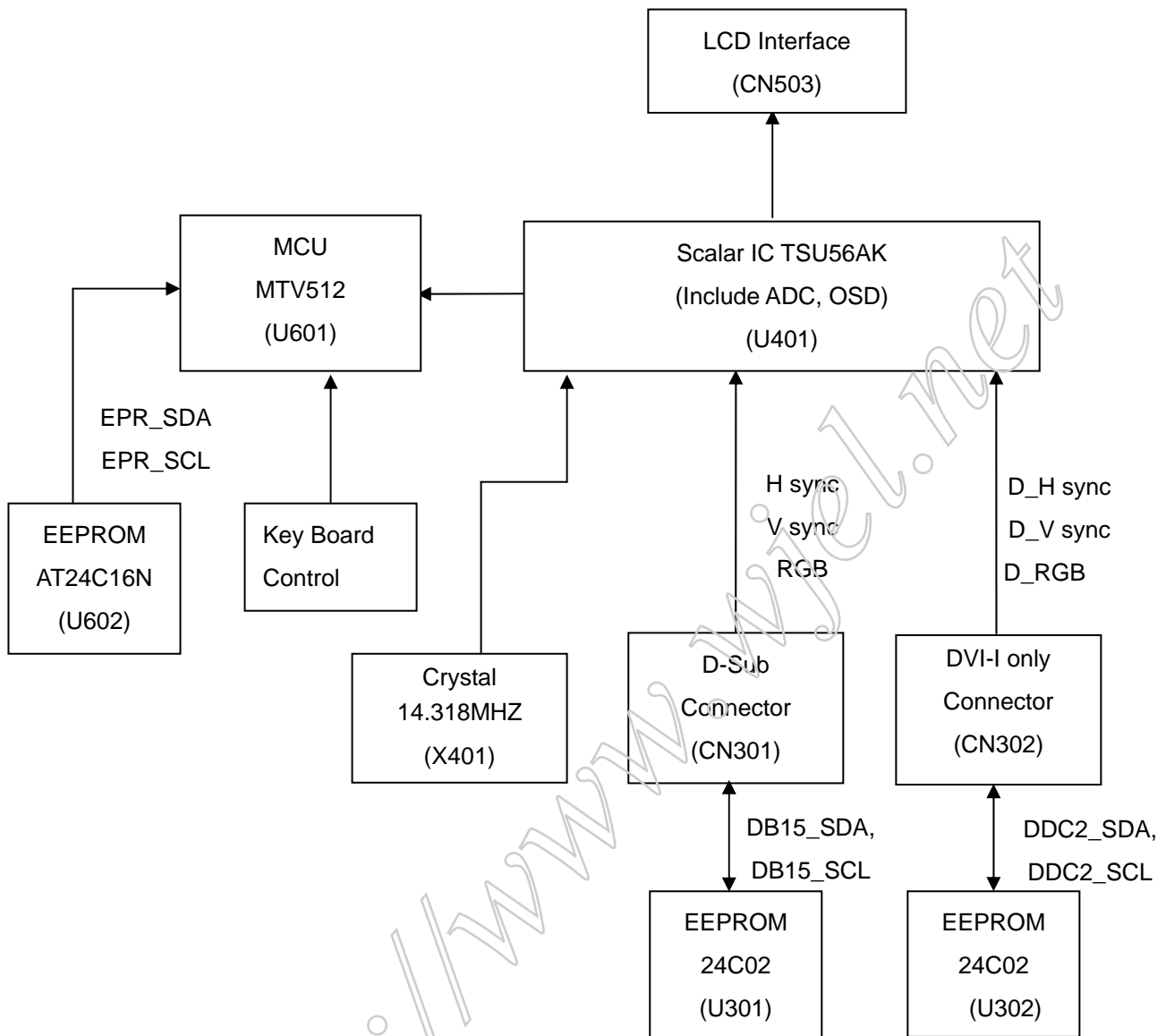
5.2 SOFTWARE FLOW CHAT



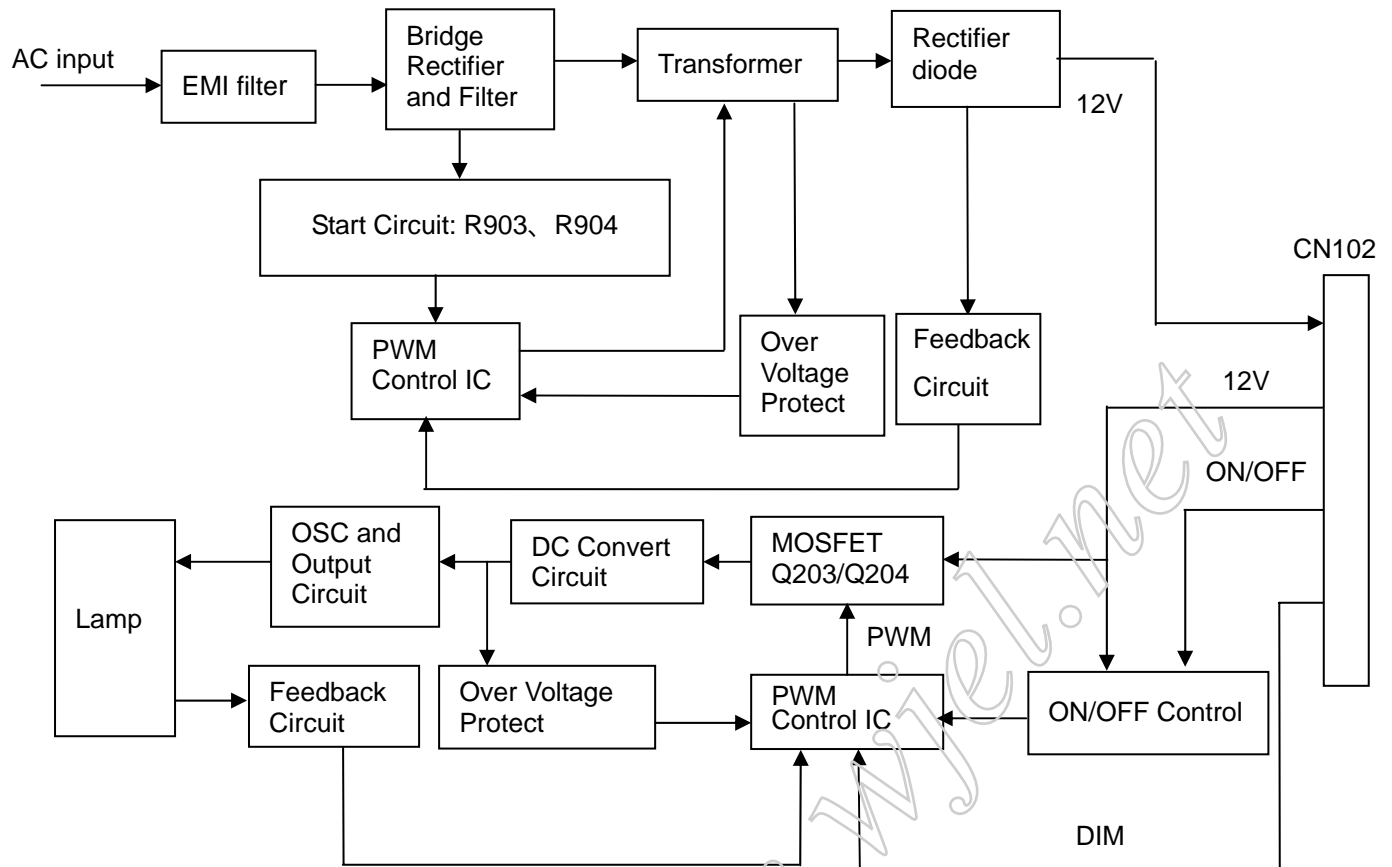
- 1) MCU initialize.
- 2) Is the EPROM blank?
- 3) Program the EPROM by default values.
- 4) Get the PWM value of brightness from EPROM.
- 5) Is the power key pressed?
- 6) Clear all global flags.
- 7) Are the AUTO and SELECT keys pressed?
- 8) Enter factory mode.
- 9) Save the power key status into EPROM.
Turn on the LED and set it to green color.
Scalar initializes.
- 10) In standby mode?
- 11) Update the lifetime of back light.
- 12) Check the analog port, are there any signals coming?
- 13) Does the scalar send out an interrupt request?
- 14) Wake up the scalar.
- 15) Are there any signals coming from analog port?
- 16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappear.
- 17) Program the scalar to be able to show the coming mode.
- 18) Process the OSD display.
- 19) Read the keyboard. Is the power key pressed?

5.3 ELECTRICAL BLOCK DIAGRAM

5.3.1 Main Board



5.3.2 Inverter/Power Board

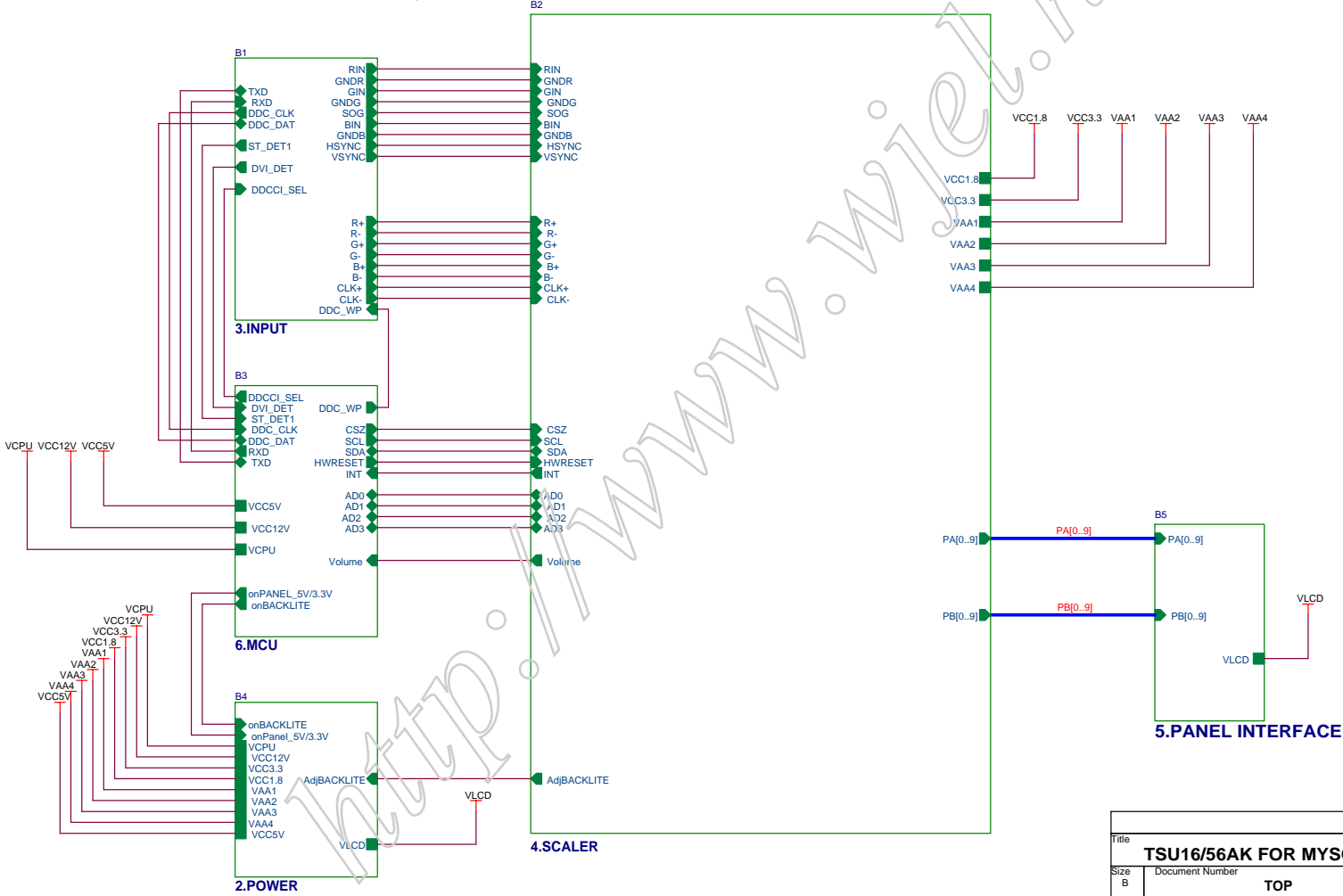


6. SCHEMATIC

6.1 MAIN BOARD

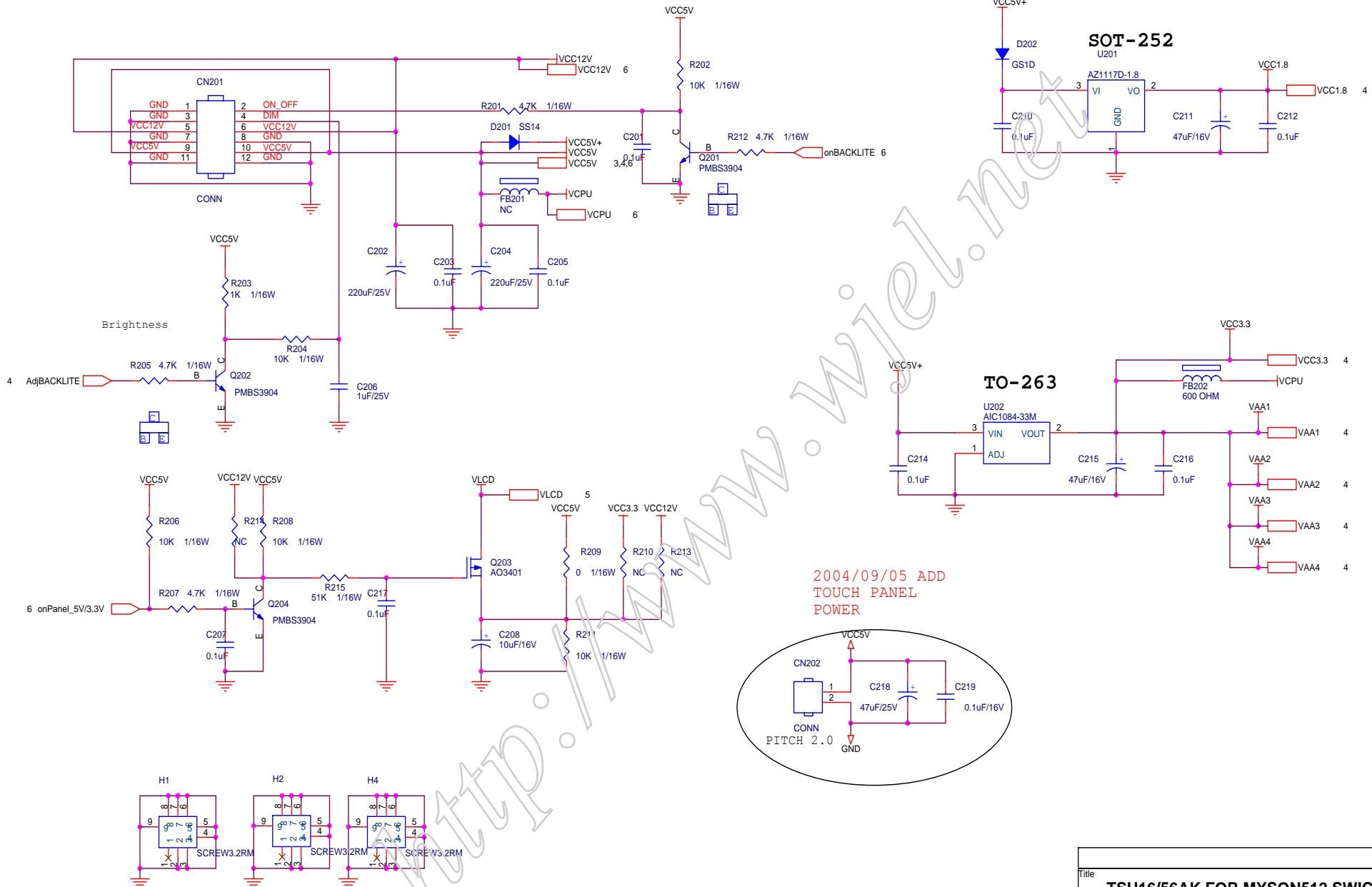
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TSU16 / 56AK SCHEMATIC



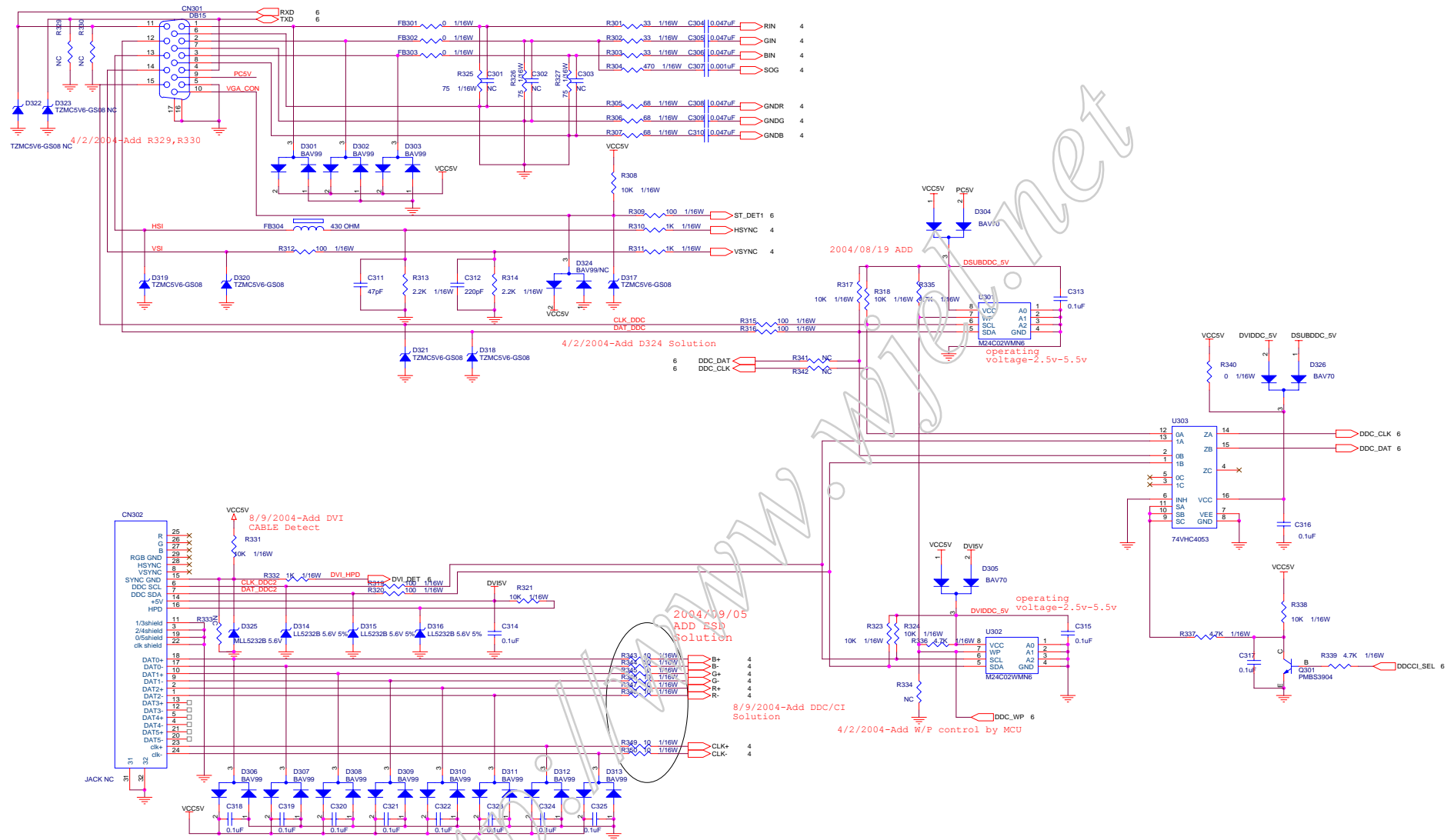
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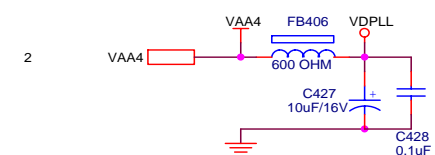
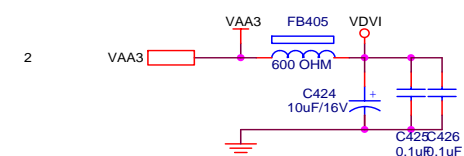
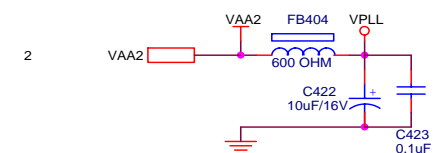
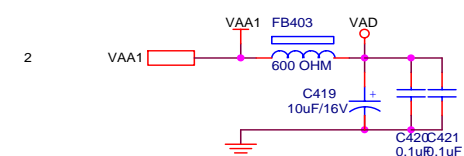
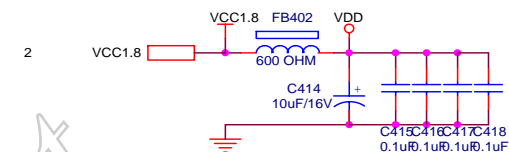


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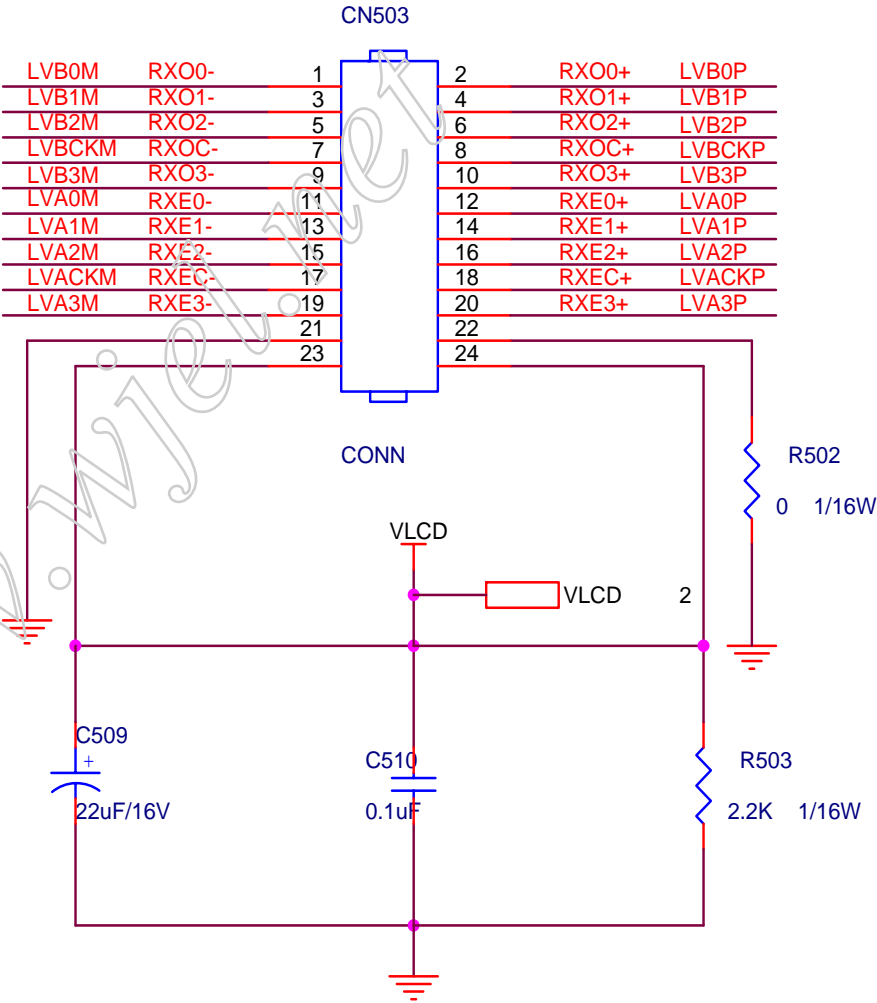
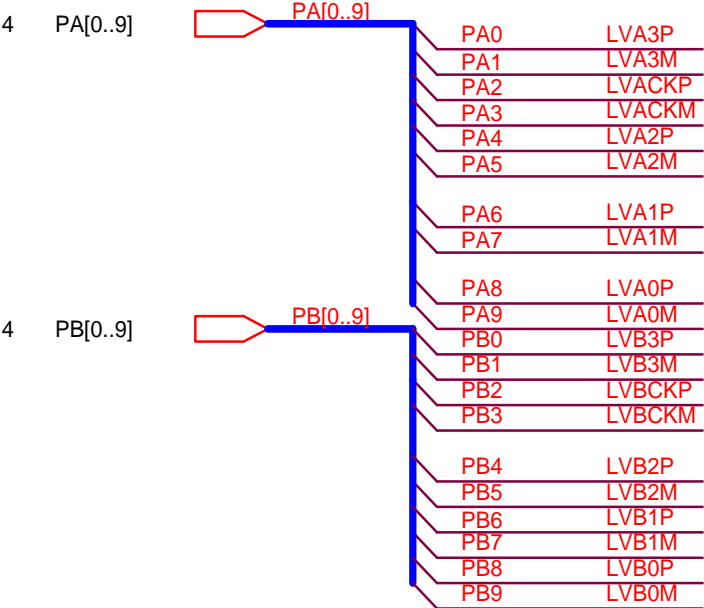
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TSU16/56AK FOR MYSON512 SWITCH			
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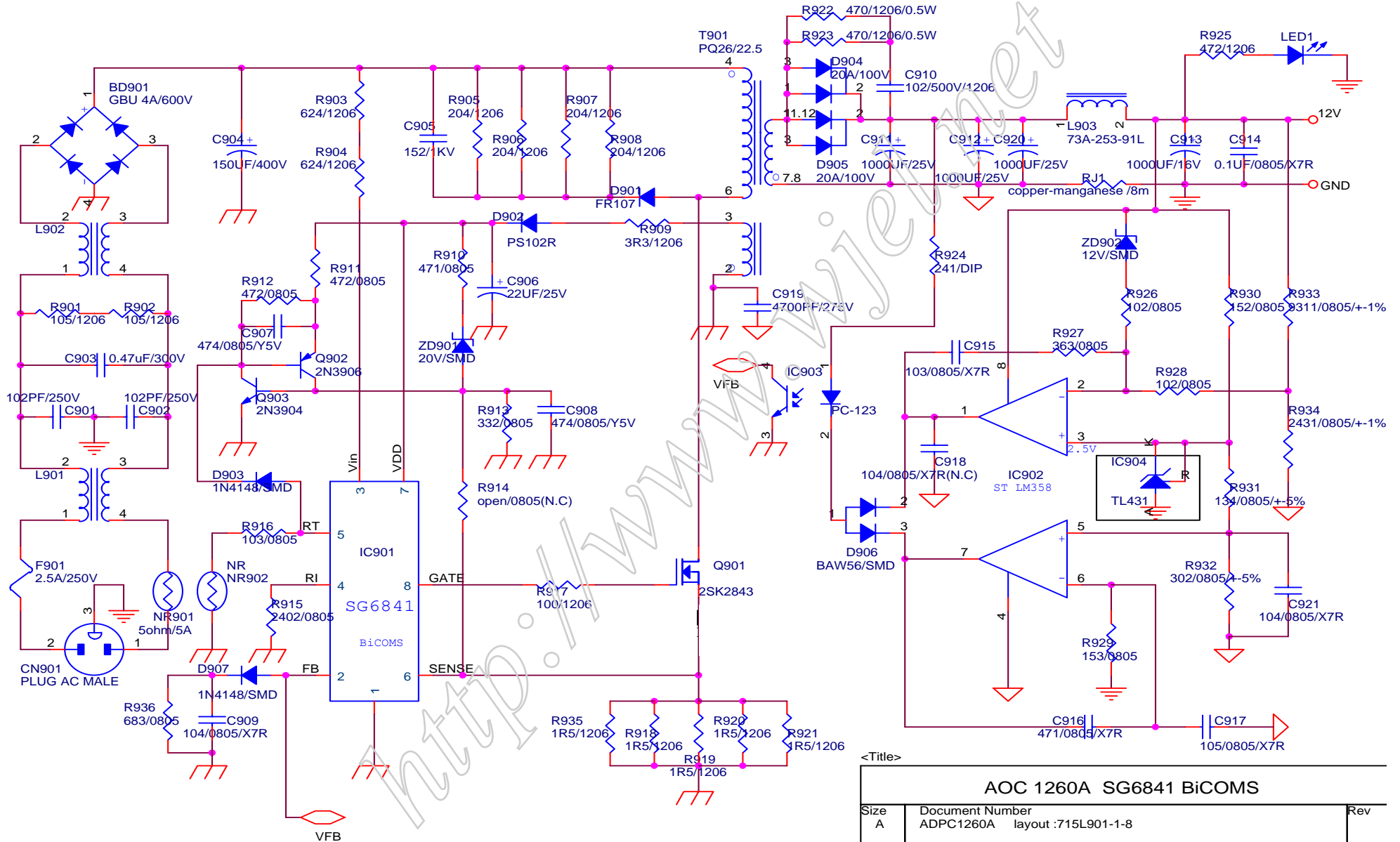
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TSU16/56AK FOR MYSON512 SWITCH			
Size B	Document Number MCU		Rev B
Date:	Wednesday, October 06, 2004	Sheet	6 of 6



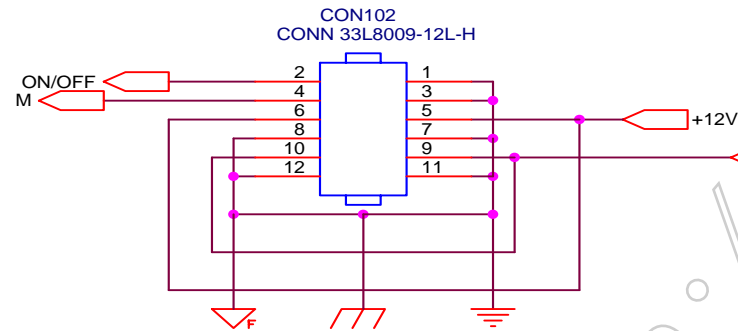
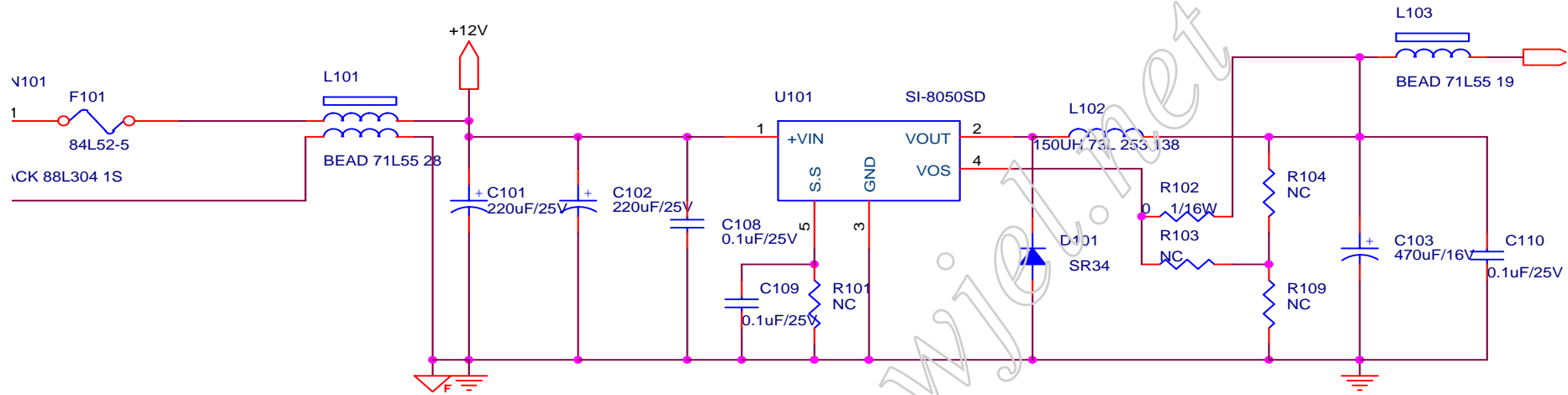
6.2 ADAPTER BOARD

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6.3 INVERTER BOARD

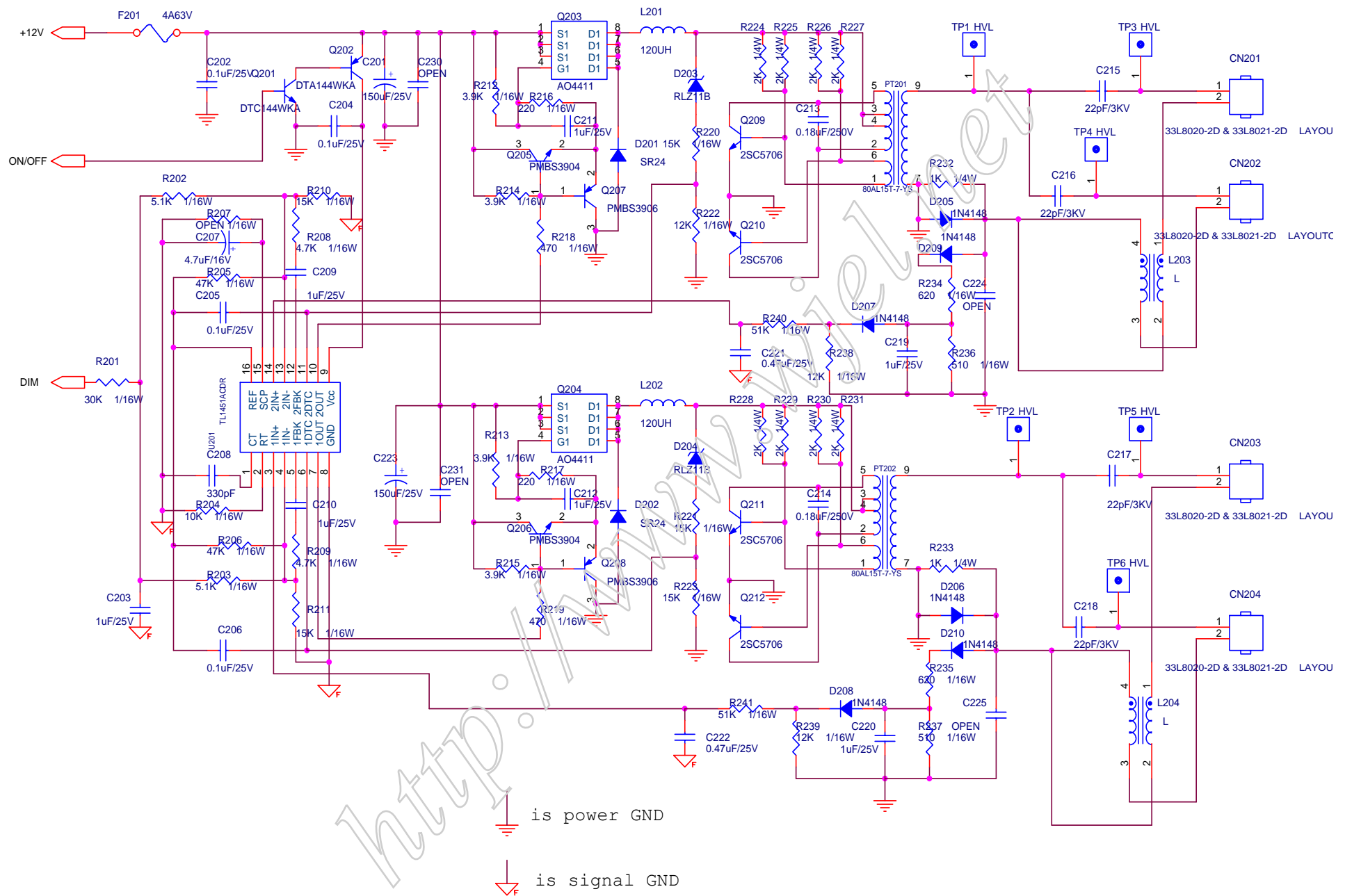
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is power GND

is signal GND

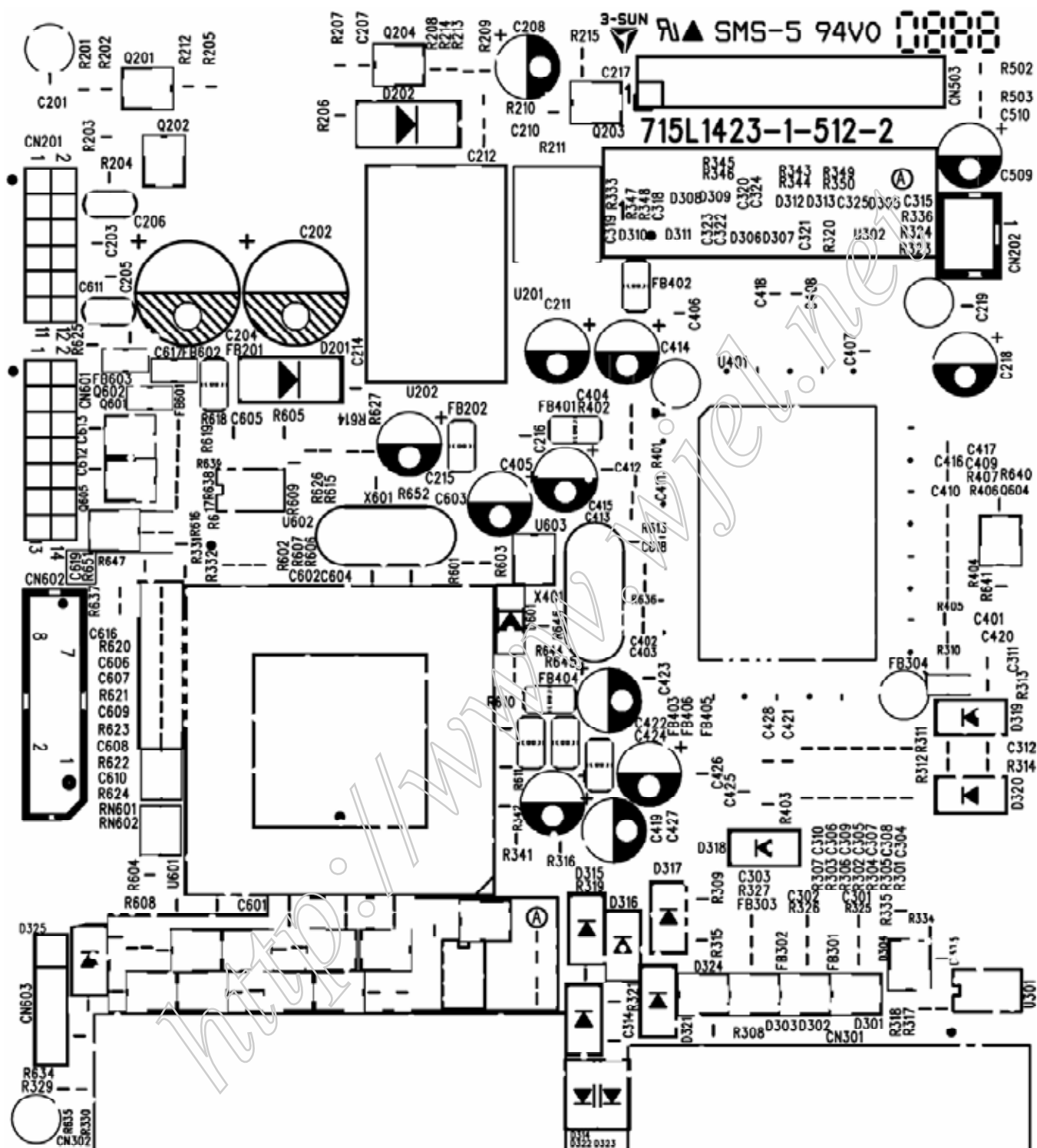
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7. PCB LAYOUT

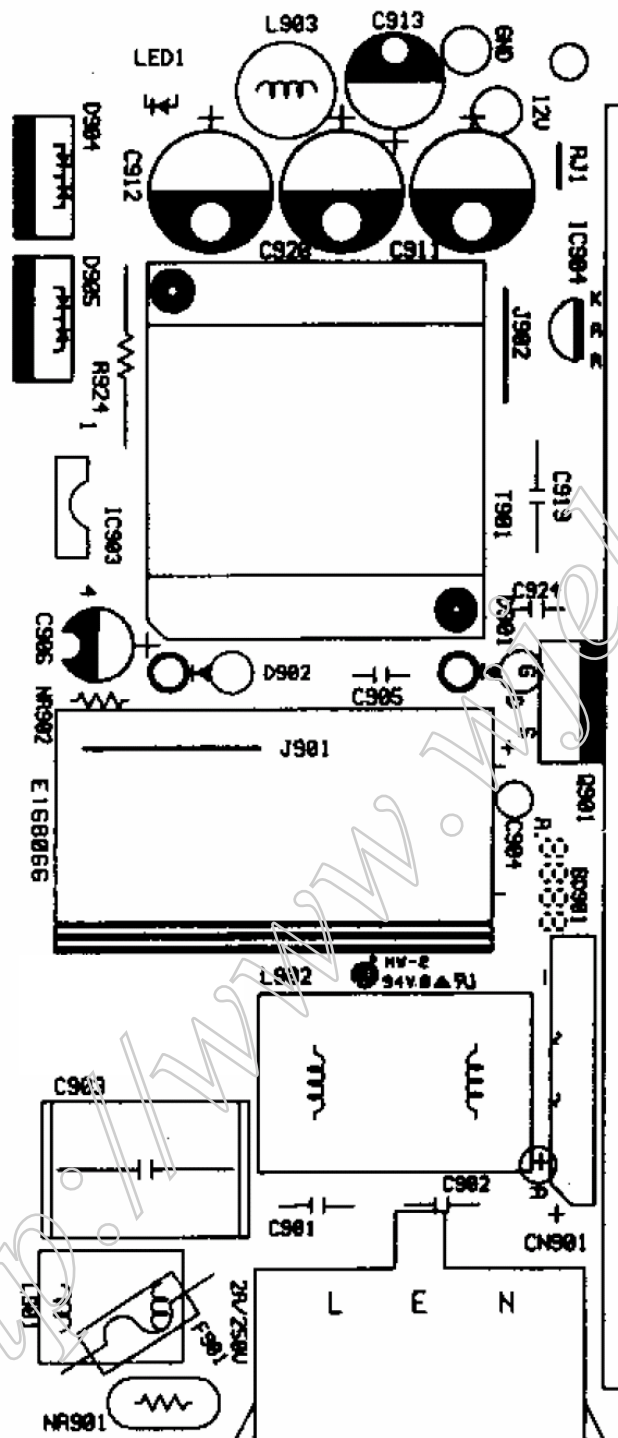
7.1 MAIN BOARD

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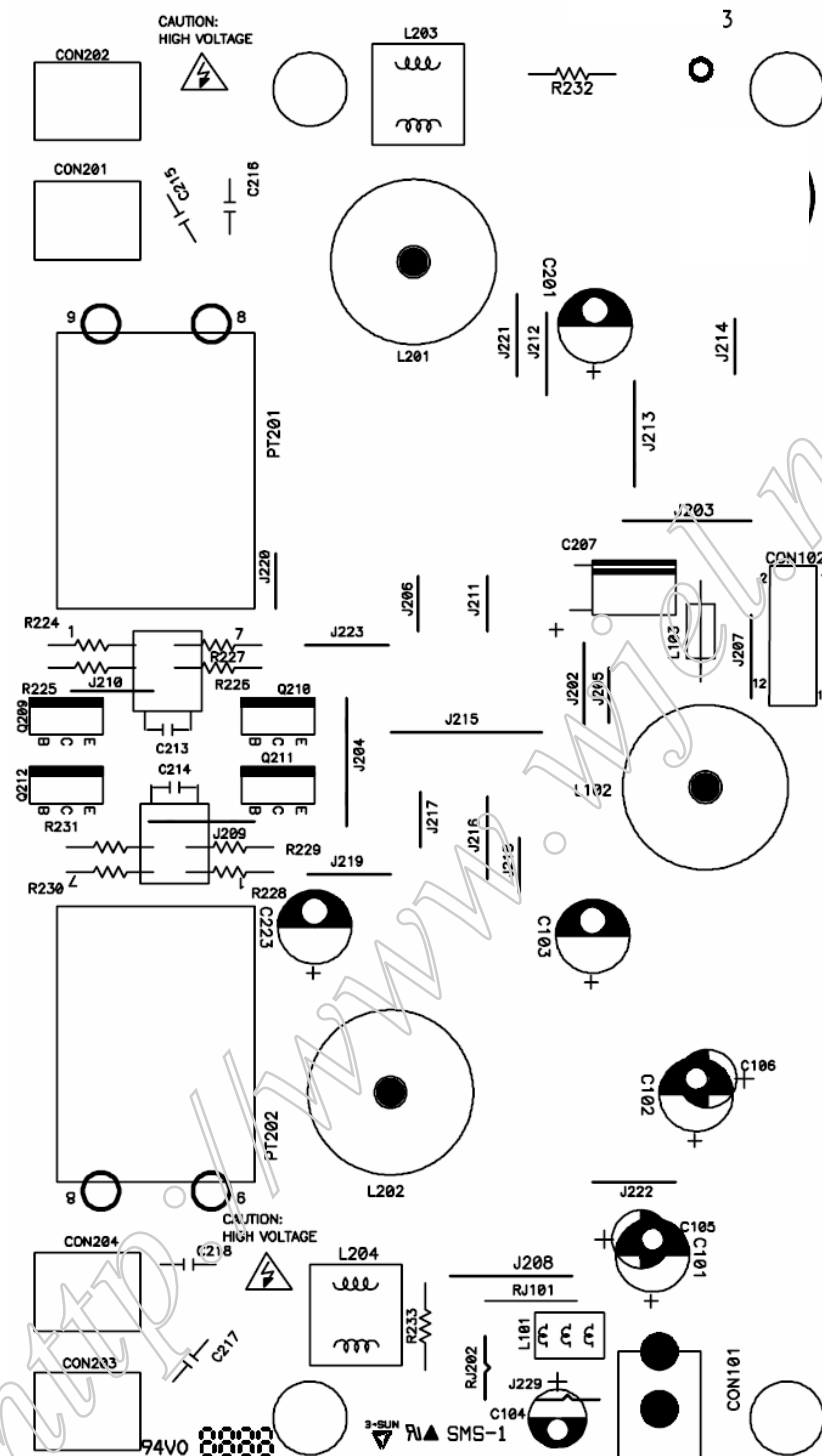
7.2 ADAPTER BOARD

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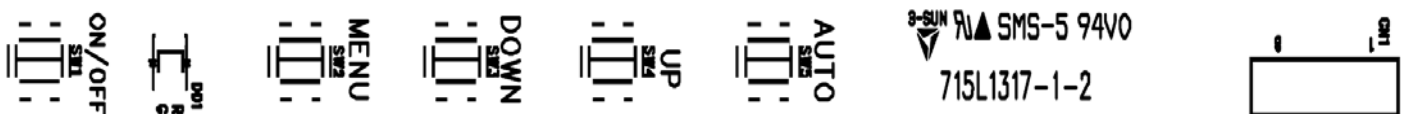
7.3 INVERTER BOARD

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7.4 KEY BOARD

715L1317-1-2



8. MAINTAINABILITY

8.1 EQUIPMENTS and TOOLS REQUIREMENT

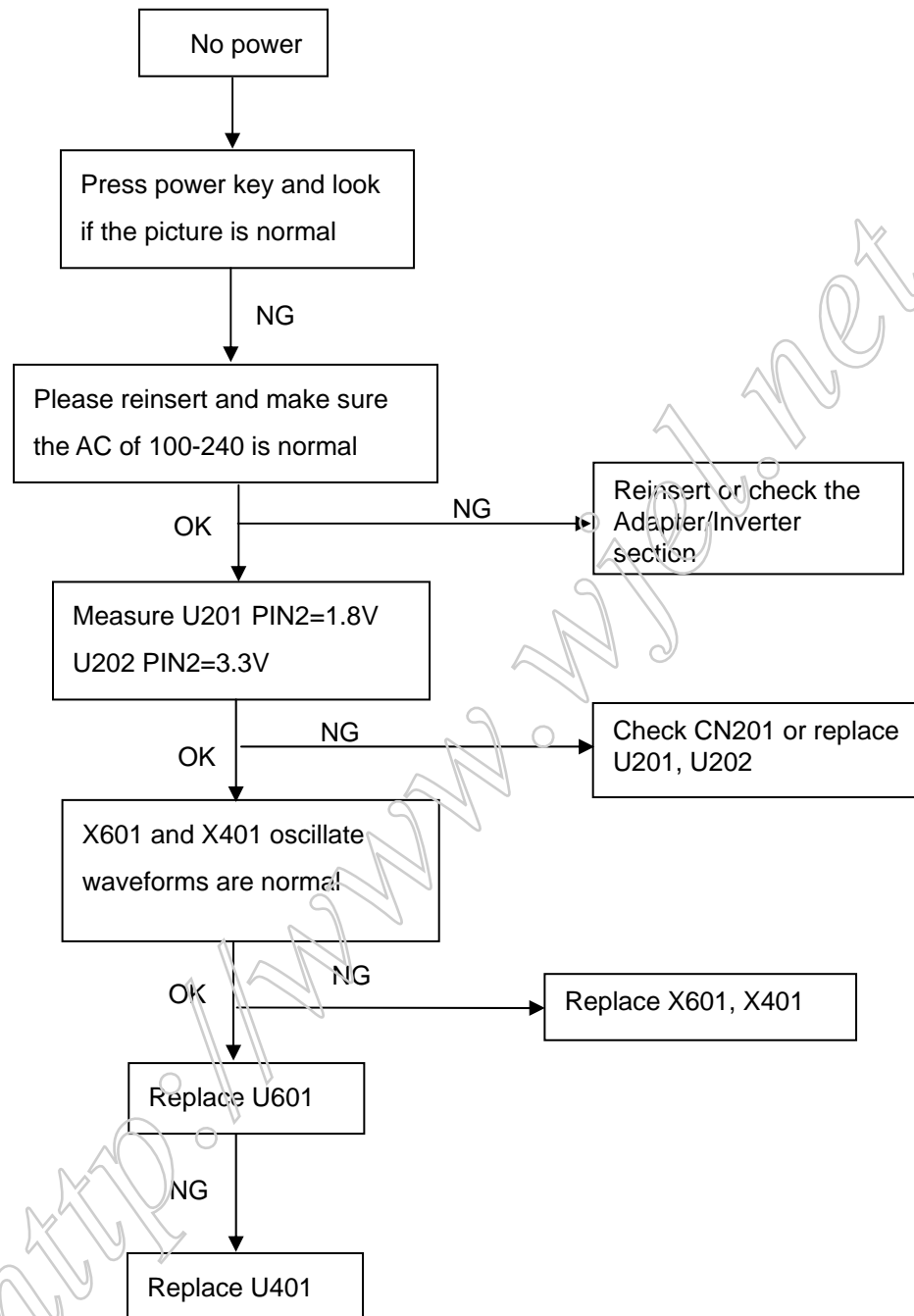
1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

<http://www.wjel.net>

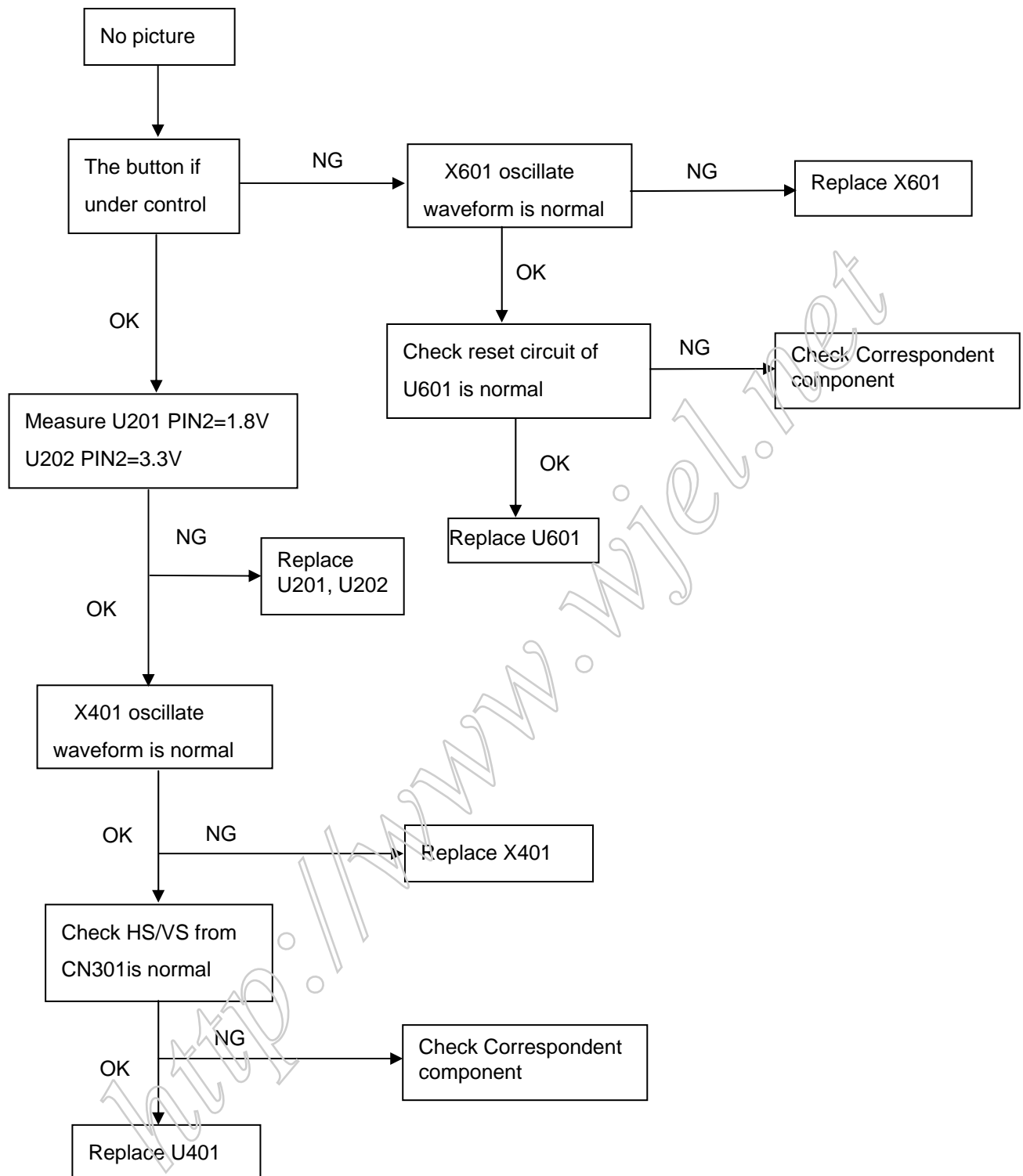
8.2 TROUBLE SHOOTING

8.2.1 Main Board

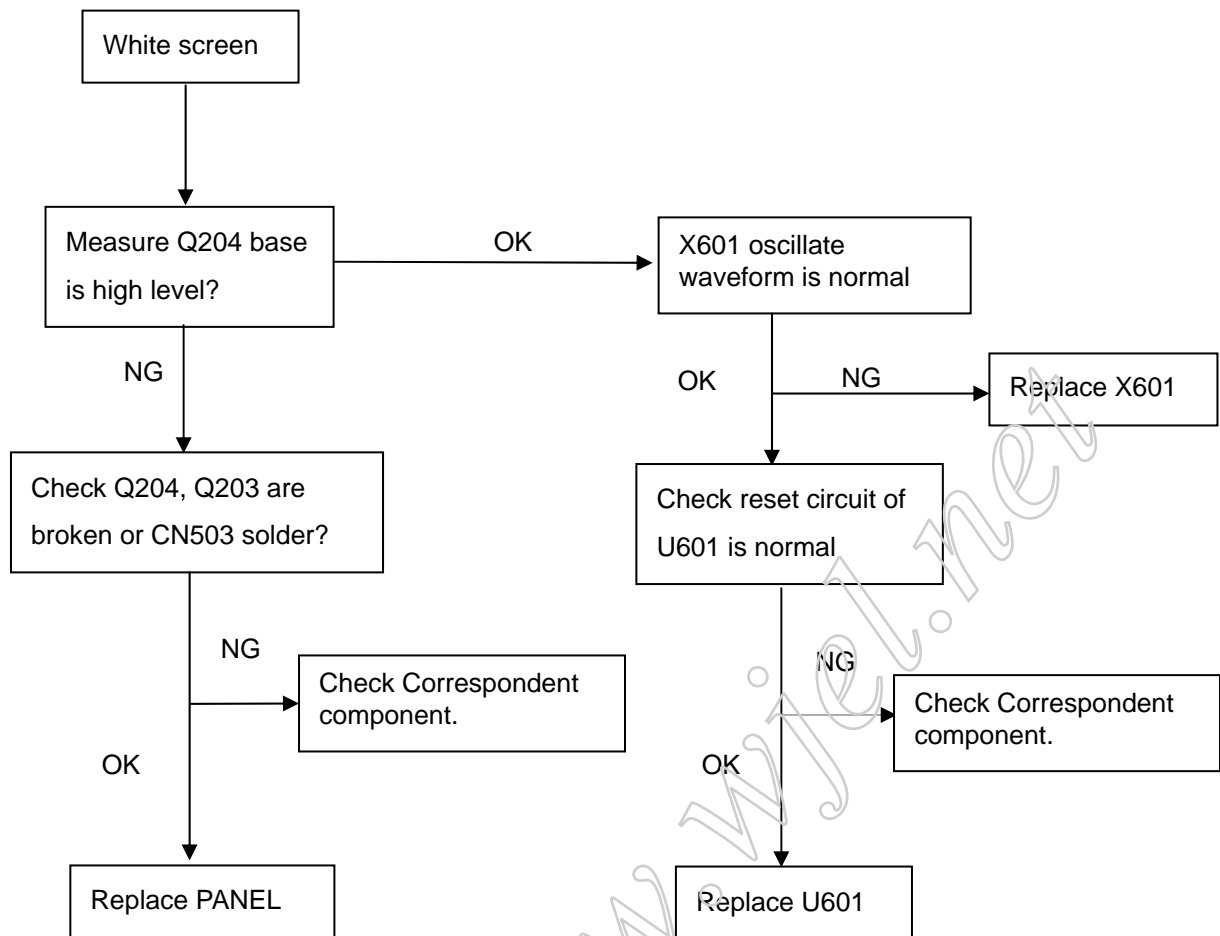
No power



No picture (LED orange)

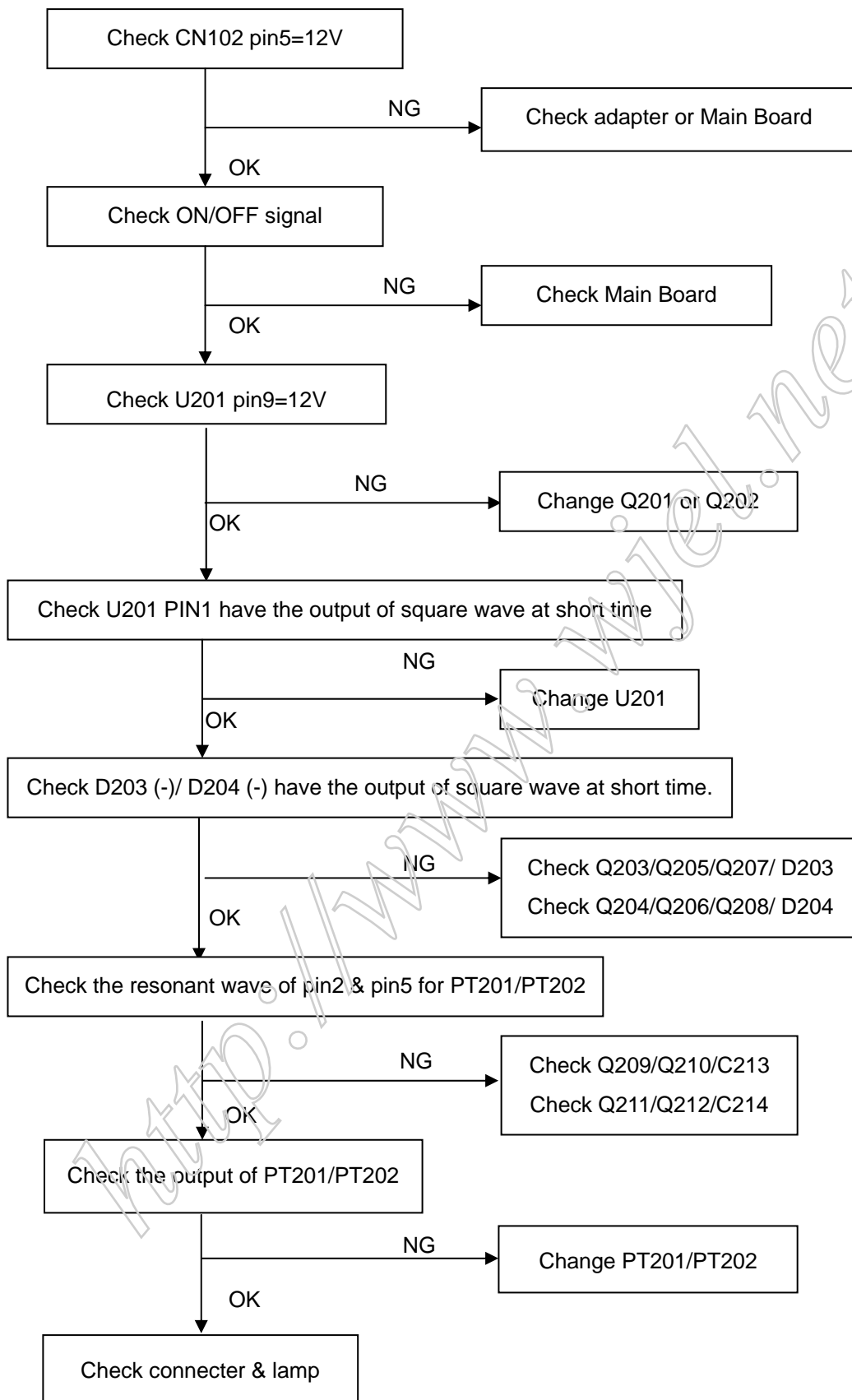


White screen

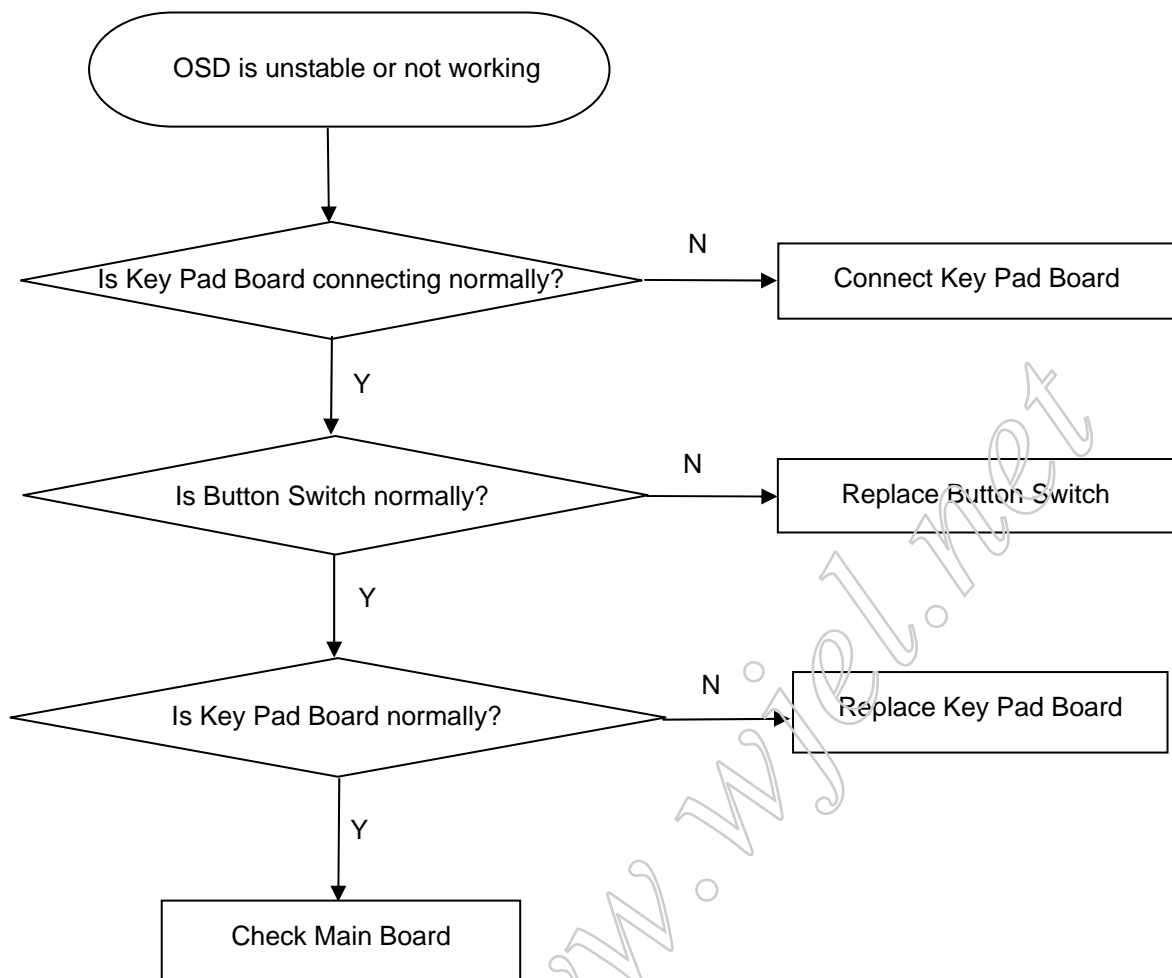


8.2.2 Power/Inverter Board

2.) W / LED, No Backlight



8.2.3 Keypad Board



9 .WHITE-BALANCE, LUMINANCE ADJUSTMENT

Approximately 30 minutes should be allowed for warm up before proceeding White-Balance adjustment.

1. How to do the Chroma-7120 MEM. Channel setting

A. Reference to chroma 7120 user guide

B. Use “**SC**” key and “**NEXT**” key to modify XyY value and use “**ID**” key to modify the TEXT description Following is the procedure to do white-balance adjust

2. Setting the color temp. you want

A. MEM.CHANNEL 3 (7800 color):

7800 color temp. parameter is $x = 296 \pm 20$, $y = 311 \pm 20$, $Y = 180 \text{ cd/m}^2$.

B. MEM.CHANNEL 4 (6500 color):

6500 color temp. parameter is $x = 313 \pm 20$, $y = 329 \pm 20$, $Y = 180 \text{ cd/m}^2$

3. Into factory mode of AOC LM928

Turn on power, press the MENU button, pull out the power cord, and then plug the power cord. Then the factory OSD will be at the left top of the panel.

4. Bias adjustment:

Set the **Contrast**  to 50; Adjust the **Brightness**  to 80.

5. Gain adjustment:

Move cursor to “-F-” and press MENU key

A. Adjust C2 (7800) color-temperature

1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 296 \pm 20$, $y = 311 \pm 20$, $Y = 180 \text{ cd/m}^2$
4. Adjust the RED of color1 on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN of color1 on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE of color1 on factory window until chroma 7120 indicator reached the value $B=100$
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$

B. Adjust C1 (6500) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 4 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show $x = 313 \pm 20$, $y = 329 \pm 20$, $Y = 180 \text{ cd/m}^2$
4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value $R=100$
5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reached the value $G=100$
6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value $B=100$
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance $=100 \pm 2$

C. Turn the Power-button off to quit from factory mode.

10. EDID CONTNET

1. D-SUB Connector (Analog)

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
0:	00	FF	FF	FF	FF	FF	FF	00	05	E3	28	A9	0B	95	0D	00
16:	30	0E	01	03	68	26	1E	78	2A	6A	C6	A1	59	4B	99	23
32:	17	4F	59	BF	EF	00	81	80	01	01	01	01	01	01	01	01
48:	01	01	01	01	01	01	30	2A	00	98	51	00	2A	40	30	70
64:	13	00	78	2D	11	00	00	1E	00	00	00	FF	00	31	32	33
80:	34	35	36	37	38	39	30	31	32	33	00	00	00	FD	00	37
96:	4B	1E	53	0E	00	0A	20	20	20	20	20	20	00	00	00	FC
112:	00	4C	4D	39	32	38	0A	20	20	20	20	20	20	20	00	A3

2. D-SUB Connector (Digital)

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
0:	00	FF	FF	FF	FF	FF	FF	00	05	E3	28	A9	0B	95	0D	00
16:	30	0E	01	03	80	26	1E	78	2A	6A	C6	A1	59	4B	99	23
32:	17	4F	59	BF	EF	00	81	80	01	01	01	01	01	01	01	01
48:	01	01	01	01	01	01	30	2A	00	98	51	00	2A	40	30	70
64:	13	00	78	2D	11	00	00	1E	00	00	00	FF	00	31	32	33
80:	34	35	36	37	38	39	30	31	32	33	00	00	00	FD	00	37
96:	4B	1E	53	0E	00	0A	20	20	20	20	20	20	00	00	00	FC
112:	00	4C	4D	39	32	38	0A	20	20	20	20	20	20	20	00	8B

11. BOM LIST

T980KA2HLLMKN

Location	Part NO for TPV	Description	Quantity	Unit
	ADPC1260AD	LCD ADAPTER BOARD ASS'Y	1	PCS
	CBPC980KA2AON	CONVERSION BOARD	1	PCS
	IDPC1942AUA1	INVERTER DC BOARD	1	PCS
	KEPC980KB7	KEY BOARD	1	PCS
	12G 412 1	FOOT_HEAD(T1.2mm)	2	PCS
	15G8073 5	MAIN FRAME	1	PCS
	26G 800504 3	BARCODE	1	PCS
	33G4759 AI L	KEY PAD	1	PCS
	33G4760 1 L	LENS	1	PCS
	34G1387ANP B	BEZEL	1	PCS
	34G1388ANP 3B	BACK COVER	1	PCS
	40G 152531	C-TICK LABEL	2	PCS
	40G 19E61525A	ID LABEL	1	PCS
	40G 58162435A	LABEL	1	PCS
	41G 68615 4B	TCO'99 CARD	1	PCS
	41G190061514A	MANUAL	1	PCS
	41G780061528B	WARRANTY CARD	1	PCS
	44G3922 1	PULP MOLD	1	PCS
	44G3922 2	PULP MOLD	1	PCS
	44G3922615 5A	CARTON	1	PCS
	45G 76 28 RN	PE BAG FO MANUAL/BASE	1	PCS
	45G 88609 C	EPE COVER	1	PCS
	45G 88621 19	PE	1	PCS
	45G 88626 1	PE BAG FOR MONITOR	1	PCS
	52G 1185	MIDDLE TAPE FOR CARTON	130	CM
	52G 1186	SMALL TAPE	8	CM
	52G6020 5	PROTECT FILM	1	PCS
	52G6025 11699	INSULATE SHEET	1	PCS
	85G 676 1	SHIELD CONN DOOR	1	PCS
	89G1738GAB D1	SIGNAL CABLE	1	PCS
	89G1748LABDVI	DVI CABLE	1	PCS
	89G412C18NIS3	POWER BOARD	1	PCS
	95G8018 30561	HARNESS	1	PCS
	M1G 130 5120	SCREW	4	PCS
	M1G 330 4120	SCREW	4	PCS

	M1G 340 10120	SCREW	4	PCS
	M1G1730 6128	SCREW M3x6	7	PCS
	705G980KB34120	19" COVER ASS'Y	1	PCS
E750L	750LLU90N45	AU 19" V5 PANEL	1	PCS
705G980KB34120				
	12G 394 3	RUBBER FOOT	8	PCS
	20G 017 1	DIECASTING BASE	1	PCS
	33G4761 AS C	STAND PLATE	2	PCS
	34G1389AAS B	VESA COVER	1	PCS
	34G1390 NP B	STAND LOWER	1	PCS
	34G1391 NP B	STAND COVER	1	PCS
	34G1392 NP B	HINGE COVER	1	PCS
	34G1393ANP B	BASE COVER	1	PCS
	37G 504 1	HINGE	1	PCS
	M1G 140 8125	SCREW	6	PCS
	Q1G 330 6120	SCREW	10	PCS
	Q1G 330 6120	SCREW	4	PCS
	Q1G 330 6120	SCREW	2	PCS
ADPC1260AD				
	ADPC1260ASMT	LCD ADAPTER ASS'Y FOR S	1	PCS
	33V6007 1	LENS	1.01	PCS
	40T 154501 1	HI-POT GND LABEL FOR MO	1	PCS
	40T 581700 6A	LABEL	1.04	PCS
	40T500W615 1C	ID LABEL	1.02	PCS
	45T 88525 E	PE BAG	1.02	PCS
	52T 1211 A	ADHESIVE TYPE	2.04	PCS
	71T 55500 S	FERRITE BEAD 3.5*3*1.3	1	PCS
	89T 171 36	1.2M 16AWG 1185 STYLE	1	PCS
	90V6063500 T	HEAT SINK	1	PCS
	90V6083 1	HEAT SINK	1	PCS
	96T 29 8	TUBE	1	PCS
	M1V 330 8128	SCREW	2	PCS
	705L 990 57 01	Q901 ASS'Y	1	PCS
	W33V6045 D T	TOP COVER	1.01	PCS
	W33V6046 D T	COVER	1.01	PCS
A	95T 205430322	WIRE HARNESS	1	PCS
BD901	93T 50460 16	U4KB80R	1	PCS
C901	65V305M1022E3	1000PF +-20% 400VAC BY	1	PCS

C902	65V305M1022E3	1000PF +-20% 400VAC BY	1	PCS
C903	63T 107474 HS	0.47UF +-20% 275VAC	1	PCS
C904	67T 30515114H	150UF 400V HERMEI	1	PCS
C911	67T215C102 4H	1000UF 25V LZ HER MEI	1	PCS
C912	67T215C102 4H	1000UF 25V LZ HER MEI	1	PCS
C919	65G306M4722BP	4700PF +-20% 400VAC	1	PCS
C920	67T215C102 4H	1000UF 25V LZ HER MEI	1	PCS
CN901	87T 501 11 RF	AC SOCKET	1	PCS
D901	93T 6026T52T	FR107	1	PCS
D902	93T 6038T52T	FR103	1	PCS
D904	93T 60237	SRF20100C	1	PCS
D905	93T 60237	SRF20100C	1	PCS
F901	84V 53 2	250V/2A	1	PCS
IC903	56T 139 3A	PC123Y22FZOF	1	PCS
L901	73L 174 29LSG	CHOKE COIL	1	PCS
L902	73L 174 31LSG	CHOKE COIL	1	PCS
L903	73T 253 91 H	CHOKE COIL	1	PCS
LED1	81T 2 3 2P	LED	1	PCS
NR901	61T 58050 WT	NTC THERMISTOR	1	PCS
P051	51T 6 4502	RTV	2	G
RJ1	95T 90 26	WIRE HARNESS	1	PCS
T901	80LL17T 5LSG	ADAPTOR BY LISHIN	1	PCS
	ADPC1260AAI	LCD ADAPTER ASS'Y FOR A	1	PCS
C907	65T0805474 27	CHIP 0.47UF 25V Y5V	1	PCS
C908	65T0805474 27	CHIP 0.47UF 25V Y5V	1	PCS
C909	65T0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C910	65T1206102 72	CHIP 1000PF 500V X7R	1	PCS
C914	65T0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C915	65T0805103 22	CHIP 0.01UF 25V X7R 080	1	PCS
C916	65T0805221 21	220PF 25V 5%	1	PCS
C917	65T0805105 12	1UF +-10% 6V X7R	1	PCS
C921	65T0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C922	65T1206102 32	CHIP 1000PF/XTR +-5%	1	PCS
C923	65T1206101 71	100PF 500V 1/8W	1	PCS
D903	93T 6432S	IN4148W	1	PCS
D906	93T 64 38 P	DIODE	1	PCS
D907	93T 6432S	IN4148W	1	PCS
IC901	56T 379 33	SG6841SZ	1	PCS

IC902	56T 192 10	LM358D	1	PCS
Q902	57T 417 6	PMBS3906/PHILIPS-SMT	1	PCS
Q903	57T 417 4	CHIP PMBS3904 BY PHILIP	1	PCS
R901	61V1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R902	61V1206105	CHIP 1MOHM 5% 1/4W	1	PCS
R903	61V1206624	CHIP 620K 5% 1/4W	1	PCS
R904	61V1206624	CHIP 620K 5% 1/4W	1	PCS
R905	61V1206204	CHIP 200KOHM 1/4W	1	PCS
R906	61V1206204	CHIP 200KOHM 1/4W	1	PCS
R907	61V1206204	CHIP 200KOHM 1/4W	1	PCS
R908	61V1206204	CHIP 200KOHM 1/4W	1	PCS
R909	61V1206519	CHIPR 5.1OHM +-5% 1/4W	1	PCS
R910	61V0805471	CHIPR 470 OHM+-5% 1/8W	1	PCS
R911	61V0805472	CHIPR 4.7K OHM +-5% 1/8	1	PCS
R912	61V0805472	CHIPR 4.7K OHM +-5% 1/8	1	PCS
R913	61V0805332	CHIP 3.3K OHM +-5% 1/8W	1	PCS
R915	61V0805240 2F	CHIP 24KOHM 1% 1/8W	1	PCS
R917	61V1206100	CHIP 10 OHM 1/8W	1	PCS
R918	61V1206159	CHIP1.5OHM 5% 1/4W	1	PCS
R919	61V1206159	CHIP1.5OHM 5% 1/4W	1	PCS
R920	61V1206159	CHIP1.5OHM 5% 1/4W	1	PCS
R921	61V1206159	CHIP1.5OHM 5% 1/4W	1	PCS
R922	61V1206470	CHIP 47OHM 5% 1/4W	1	PCS
R923	61V1206470	CHIP 47OHM 5% 1/4W	1	PCS
R925	61V1206472	CHIP 4.7KOHM 5% 1/4W	1	PCS
R926	61V0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R927	61V0805363	CHIP 36KOHM 1/8W	1	PCS
R928	61V0805102	CHIPR 1K OHM +-5% 1/8W	1	PCS
R929	61V0805153	CHIPR 15K OHM+-5% 1/8W	1	PCS
R930	61V0805152	CHIPR 1.5K OHM +-5% 1/8	1	PCS
R931	61V0805154	CHIP 150KOHM 5% 1/8W	1	PCS
R932	61V0805332	CHIP 3.3K OHM +-5% 1/8W	1	PCS
R933	61V0805931 1F	CHIP 9.31K OHM 1/8W 1%	1	PCS
R934	61V0805243 1F	CHIP 2.43K OHM 1/8W 1%	1	PCS
R935	61V1206159	CHIP1.5OHM 5% 1/4W	1	PCS
R936	61V0805683	CHIPR 68K OHM+-5% 1/8W	1	PCS
ZD901	93T 39S 12 T	RLZ20B LLDS	1	PCS
ZD902	93T 39S 3 T	BZT52-C11	1	PCS

	715V 901 1 8	PCB BOARD	1	PCS
C905	65T 1K152 1T6052	1.5nF /1K Y5P+-10%	1	PCS
C906	67T 305220 7T	22uf 50v	1	PCS
C913	67T 305471 3T	105 470UF +-20% 1	1	PCS
C924	65T 1K101 5T6921	100PF /1KV	1	PCS
IC904	56T 158 4 T	H431BA	1	PCS
R924	61T 17224152T	240 OHM 5% 1/4W	1	PCS
T901	6G 31502	1.5MM RIVET	2	PCS
	90T6062 1	HEAT SINK	1	PCS
	M1T1030 5128	SCREW	1	PCS
Q901	57T 724 8	2SK2843	1	PCS
CBPC980KA2AON				
	AIC980KA2AON	MAIN BOARD	1	PCS
	40G 45762412B	CBPC LABEL	1	PCS
C202	67G215V221 4R	LOW E.S.R 220UF +/-20%	1	PCS
C204	67G215V221 4R	LOW E.S.R 220UF +/-20%	1	PCS
C208	67G215Y100 7R	LOW E.S.R 10UF +/-20% 5	1	PCS
C211	67G215V470 4R	LOW E.S.R 47UF +/-20% 2	1	PCS
C215	67G215V470 4R	LOW E.S.R 47UF +/-20% 2	1	PCS
C405	67G215Y100 7R	LOW E.S.R 10UF +/-20% 5	1	PCS
C414	67G215Y100 7R	LOW E.S.R 10UF +/-20% 5	1	PCS
C419	67G215Y100 7R	LOW E.S.R 10UF +/-20% 5	1	PCS
C422	67G215Y100 7R	LOW E.S.R 10UF +/-20% 5	1	PCS
C424	67G215Y100 7R	LOW E.S.R 10UF +/-20% 5	1	PCS
C427	67G215Y100 7R	LOW E.S.R 10UF +/-20% 5	1	PCS
C509	67G215Y2207RV	RUBYCON 50V 22UF	1	PCS
C603	67G215Y100 7R	LOW E.S.R 10UF +/-20% 5	1	PCS
CN201	33G8027 12	WAFER 2*6P 2.0MM R/A	1	PCS
CN301	88G 35315F H	D-SUB 15PIN	1	PCS
CN302	88G 35424F H	DV1 CONNECTOR 24PIN	1	PCS
CN503	33G802724B H	WAFER	1	PCS
CN602	33G8019 8C	FPC/FFC CONN	1	PCS
X401	93G 22 53	CRYSTAL 14.318MHzHC-49U	1	PCS
X601	93G 22 45 H	24MHZ/30PF/49US	1	PCS
	40G 457624 1B	LABEL-CPU	1	PCS
	715L1423 1512 2	PCB	1	PCS
C201	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C203	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS

C205	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C206	65G0805105 22	CHIP 1UF 25V X7R 0805	1	PCS
C207	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C210	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C212	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C214	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C216	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C217	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C304	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C305	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C306	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C307	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C308	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C309	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C310	65G0603473 32	CHIP 0.047UF 50V X7R	1	PCS
C311	65G0603330 31	CER1 0603 NP0 50V 33P P	1	PCS
C312	65G0603221 31	CER1 0603 NP0 50V 220P	1	PCS
C313	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C314	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C315	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C318	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C319	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C320	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C321	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C322	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C323	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C324	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C325	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C401	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C402	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C403	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C404	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C406	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C407	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C408	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C409	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C410	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C411	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS

C412	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C413	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C415	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C416	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C417	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C418	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C420	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C421	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C423	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C425	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C426	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C428	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C510	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C601	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C602	65G0603220 31	CER1 0603 NP0 50V 22P P	1	PCS
C604	65G0603270 31	27PF 50V NPO	1	PCS
C605	65G0603224 17	CAP:CER 0.22UF-20%-80%	1	PCS
C606	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C607	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C608	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C609	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C610	65G0603102 32	1000PF +-10% 50V X7R	1	PCS
C618	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
C619	65G0603104 32	CHIP 0.1UF 50V X7R	1	PCS
D201	93G1004 3	SS14	1	PCS
D202	93G1020 1 S	GS1D	1	PCS
D301	93G 6433P	BAV99	1	PCS
D302	93G 6433P	BAV99	1	PCS
D303	93G 6433P	BAV99	1	PCS
D304	93G 64 42 P	BAV70 SOT-23	1	PCS
D305	93G 64 42 P	BAV70 SOT-23	1	PCS
D306	93G 6433P	BAV99	1	PCS
D307	93G 6433P	BAV99	1	PCS
D308	93G 6433P	BAV99	1	PCS
D309	93G 6433P	BAV99	1	PCS
D310	93G 6433P	BAV99	1	PCS
D311	93G 6433P	BAV99	1	PCS
D312	93G 6433P	BAV99	1	PCS

D313	93G 6433P	BAV99	1	PCS
D314	93G 39147	TZMC5V6	1	PCS
D315	93G 39147	TZMC5V6	1	PCS
D316	93G 39147	TZMC5V6	1	PCS
D317	93G 39S 39 T	MLL5234B	1	PCS
D318	93G 39147	TZMC5V6	1	PCS
D319	93G 39147	TZMC5V6	1	PCS
D320	93G 39147	TZMC5V6	1	PCS
D321	93G 39147	TZMC5V6	1	PCS
D322	93G 39147	TZMC5V6	1	PCS
D323	93G 39147	TZMC5V6	1	PCS
D324	93G 6433P	BAV99	1	PCS
D325	93G 39147	TZMC5V6	1	PCS
D601	93G 6432V	LL4148-GS08	1	PCS
FB202	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB301	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB302	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB303	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
FB304	71G 59B431	BK1608 HW 431	1	PCS
FB401	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB402	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB403	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB404	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB405	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
FB406	71G 56Z601	CHIP BEAD 600 OHM 0805	1	PCS
Q201	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q202	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q203	57G 763 1	A03401 SOT23 BY AOS(A1)	1	PCS
Q204	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q601	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q602	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q605	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
R201	61L0603203	CHIPR 20K OHM+-5% 1/10W	1	PCS
R202	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R203	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R204	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R205	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R207	61L0603472	RST SM 0603 RC0603 4K7	1	PCS

R208	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R209	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R211	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R212	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R215	61L0603513	CHIP 51K OHM 1/10W	1	PCS
R301	61L0603330	CHIPR 33 OHM +-5% 1/10W	1	PCS
R302	61L0603330	CHIPR 33 OHM +-5% 1/10W	1	PCS
R303	61L0603330	CHIPR 33 OHM +-5% 1/10W	1	PCS
R304	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R305	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R306	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R307	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R308	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R309	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R310	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R311	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R312	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R313	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R314	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R315	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R316	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R317	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R318	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R319	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R320	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R321	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R323	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R324	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R325	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R326	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R327	61L0603750	RST SM 0603 RC22H 75R P	1	PCS
R331	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R332	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R335	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R336	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R341	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R342	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R343	61L0603100	CHIP 10 OHM 1/10W	1	PCS

R344	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R345	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R346	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R347	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R348	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R349	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R350	61L0603100	CHIP 10 OHM 1/10W	1	PCS
R402	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R403	61L0603390 0F	CHIP 390 OHM 1/10W 1%	1	PCS
R404	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R405	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R406	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R407	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R502	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R503	61L0603222	RST SM 0603 RC0603 2K2	1	PCS
R601	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R602	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R603	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R604	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R605	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R606	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R607	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R608	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R609	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R610	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R611	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R613	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R616	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R617	61L0603121	CHIPR 120 OHM 1/10W	1	PCS
R618	61L0603121	CHIPR 120 OHM 1/10W	1	PCS
R619	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R620	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R621	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R622	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R623	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R624	61L0603102	RST SM 0603 RC0603 1K P	1	PCS
R636	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R637	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS

R639	61L0603101	RST SM 0603 RC0603 100R	1	PCS
R644	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R645	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R646	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R647	61L0603223	CHIPR 22K OHM +-5% 1/10	1	PCS
R651	61L0603912	CHIPR 9.1KOHM +-5% 1/10	1	PCS
R652	61L0603103	RST SM 0603 RC0603 10K	1	PCS
RN601	61L 125103 8	CHIP AR 8P4R 10KOHM +-5	1	PCS
RN602	61L 125103 8	CHIP AR 8P4R 10KOHM +-5	1	PCS
U201	56G 563 31	AI1117D-1.8-EI	1	PCS
U202	56G 563 7	AIC1084-33PM	1	PCS
U301	56G1133 34	M24C02-WMN6TP	1	PCS
U302	56G1133 34	M24C02-WMN6TP	1	PCS
U401	56G 562 82	TSU56AK-LF	1	PCS
U601	56G1125543AWH	MTV512 MV 44PIN-PLCC	1	PCS
U602	56G1133 56	M24C16-WMN6TP	1	PCS
IDPC1942AUA1				
	ID1942AUA1SMT	SMT ASS'Y	1	PCS
	40G 45762412B	CBPC LABEL	1	PCS
C101	67G215V221 4K	EC 220F 25V	1	PCS
C102	67G215V221 4K	EC 220F 25V	1	PCS
C103	67G215B471 3H	470UF 16V LTR471M1CF11V	1	PCS
C201	67G215C151 4H	LOW ESR 150UF 25V 8*7MM	1	PCS
C207	67G 305330 7T	33UF 105	1	PCS
C213	63G210J1842A2	PMS 0.18UF 250V	1	PCS
C214	63G210J1842A2	PMS 0.18UF 250V	1	PCS
C215	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C216	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C217	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C218	65G 3J2206ET	22PF 5% SL 3KV TDK	1	PCS
C223	67G215C151 4H	LOW ESR 150UF 25V 8*7MM	1	PCS
CON101	88G 3041CF	DC JACK	1	PCS
CON102	95G8014 6512	WIRE HARNESS	1	PCS
CON201	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
CON202	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
CON203	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
CON204	33G8021 2D AC	CONN.2P R/A 87210-0236	1	PCS
J229	71G 55 9 T	FERRITE BEAD	1	PCS

L101	71G 55 28	FERRITE BEAD 7.62*5.08*	1	PCS
L102	73G 253138 Y	CHOKO BY	1	PCS
L201	73G 253138 Y	CHOKO BY	1	PCS
L202	73G 253138 Y	CHOKO BY	1	PCS
P051	51G 6503	RTV	2	G
Q209	57G 761501	BTC5706I3	1	PCS
Q210	57G 761501	BTC5706I3	1	PCS
Q211	57G 761501	BTC5706I3	1	PCS
Q212	57G 761501	BTC5706I3	1	PCS
	ID1942AUA1AI	AI ASS'Y	1	PCS
C108	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C109	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C110	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C111	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C202	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C203	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C204	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C205	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C206	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C208	65G0805331 31	CHIP 330pF 50V NPO	1	PCS
C209	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C210	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C211	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C212	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C219	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C220	65G0805105 27	CHIP 1UF Y5V 0805	1	PCS
C221	65G0805474 27	CHIP 0.47UF 25V Y5V	1	PCS
C222	65G0805474 27	CHIP 0.47UF 25V Y5V	1	PCS
C230	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
C231	65G0805104 22	0.1UF +-10% 25V X7R 080	1	PCS
D101	93G3004 1	SMAL340XXXRO 3A 40V SMA	1	PCS
D201	93G3004 2	SR34 PAN JIT	1	PCS
D202	93G3004 2	SR34 PAN JIT	1	PCS
D203	93G 39S 3 T	BZT52-C11	1	PCS
D204	93G 39S 3 T	BZT52-C11	1	PCS
D205	93G 6432P	LL4148	1	PCS
D206	93G 6432P	LL4148	1	PCS
D207	93G 6432P	LL4148	1	PCS

D208	93G 6432P	LL4148	1	PCS
D209	93G 6432P	LL4148	1	PCS
D210	93G 6432P	LL4148	1	PCS
F201	61L1206000 4	0 OHM 4A 1/4W	1	PCS
Q201	57G 760 5	DTC144WKA BY ROHM SMT	1	PCS
Q202	57G 760 4	DTA144WKA BY ROHM SMT	1	PCS
Q203	57G 763 3	AO4411 SO-8	1	PCS
Q204	57G 763 3	AO4411 SO-8	1	PCS
Q205	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q206	57G 417 4	PMBS3904/PHILIPS-SMT(04	1	PCS
Q207	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
Q208	57G 417 6	PMBS3906/PHILIPS-SMT(06	1	PCS
R102	61L0603000	RST SM 0603 JUMP MAX 0R	1	PCS
R201	61L0603303	CHIP 30K OHM 5% 1/10W	1	PCS
R202	61L0603512	CHIP 5.1K OHM 1/10W	1	PCS
R203	61L0603512	CHIP 5.1K OHM 1/10W	1	PCS
R204	61L0603103	RST SM 0603 RC0603 10K	1	PCS
R205	61L0603473	RST SM 0603 RC0603 47K	1	PCS
R206	61L0603473	RST SM 0603 RC0603 47K	1	PCS
R208	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R209	61L0603472	RST SM 0603 RC0603 4K7	1	PCS
R210	61L0603153	CHIPR 15KOHM+-5% 1/10W	1	PCS
R211	61L0603153	CHIPR 15KOHM+-5% 1/10W	1	PCS
R212	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R213	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R214	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R215	61L0603392	CHIP 3.9K OHM 1/10W	1	PCS
R216	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R217	61L0603221	RST SM 0603 RC0603 220R	1	PCS
R218	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R219	61L0603471	CHIPR 470 OHM+-5% 1/10W	1	PCS
R220	61L0603153	CHIPR 15KOHM+-5% 1/10W	1	PCS
R221	61L0603153	CHIPR 15KOHM+-5% 1/10W	1	PCS
R222	61L0603123	CHIP 12K OHM 1/10W	1	PCS
R223	61L0603123	CHIP 12K OHM 1/10W	1	PCS
R234	61L0603621	CHIPR 620 OHM+-5% 1/10W	1	PCS
R235	61L0603621	CHIPR 620 OHM+-5% 1/10W	1	PCS
R236	61L0603511	CHIPR 510 OHM+-5% 1/10W	1	PCS

R237	61L0603511	CHIPR 510 OHM+-5% 1/10W	1	PCS
R238	61L0603123	CHIP 12K OHM 1/10W	1	PCS
R239	61L0603123	CHIP 12K OHM 1/10W	1	PCS
R240	61L0603513	CHIP 51K OHM 1/10W	1	PCS
R241	61L0603513	CHIP 51K OHM 1/10W	1	PCS
U101	56G 563 11	S1-8050SD	1	PCS
U201	56G 608 1	TL1451ACD	1	PCS
	715L1299 3	PCB	1	PCS
L102	6G 31502	1.5MM RIVET	1	PCS
L103	71G 55 19 T	FERRITE BEAD D9X3. 5X0.	1	PCS
L201	6G 31502	1.5MM RIVET	1	PCS
L202	6G 31502	1.5MM RIVET	1	PCS
PT201	6G 31502	1.5MM RIVET	2	PCS
PT202	6G 31502	1.5MM RIVET	2	PCS
R224	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R225	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R226	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R227	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R228	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R229	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R230	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R231	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R232	61G 17210252T	1K OHM 5% 1/4W	1	PCS
R233	61G 17210252T	1K OHM 5% 1/4W	1	PCS
KEPC980KB7				
	AIK780KA3SMT	KEY BOARD FOR SMT	1	PCS
	715L1317 1 2	KEY BOARD FOR SMT	1	PCS
CN1	89G176J 3503	FFC CABLE	1	PCS
DD1	81G 14 6 GU GP	MB04-1110SRQGC-P	1	PCS
SW1	77L 604 2 CJ	CHIP TACT SW	1	PCS
SW2	77L 604 2 CJ	CHIP TACT SW	1	PCS
SW3	77L 604 2 CJ	CHIP TACT SW	1	PCS
SW4	77L 604 2 CJ	CHIP TACT SW	1	PCS
SW5	77L 604 2 CJ	CHIP TACT SW	1	PCS